Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

1912

VICK'S

Garden and Floral Guide

VICK'S FANCY LAWN GRASS IN ROCHESTER'S NEW EXPOSITION PARK

Photographed August 14, 1911, just three weeks from the day the Park was seeded.

James Vick's Sons

Rochester : N : Y :

If you are in doubt here is a complete Vegetable Garden for 50 cents or $1.00

TO ALL CUSTOMERS who want selected Collections of the standard varieties of Vegetable Seeds for a family garden we recommend our Quality Collections. These are the very best varieties for the purpose, giving a succession of fresh vegetables from about the middle of June until frost. All the Packets are of regular size and of the Vick Quality.

50c. Collection of Vegetables

Fourteen Choice Varieties for a small Family garden (regular catalogue price 80 cents) **All sent Postpaid for 50 cents**

No. 5 Collection of Vegetables

Twenty-one Choice Varieties for a medium-sized garden (regular catalogue price $1.35) **we will send all of them Postpaid for $1.00**

The special Collections of Flower Seeds, including Asters, Antirrhinum, Nasturtium, Pansies, Petunias, Phlox, Poppies, Sweet Peas, Verbenas, will be found on page 43.

Suggestions to Our Customers

ALL MONEY MAY BE SENT AT OUR RISK AND EXPENSE, if forwarded according to directions, in either manner here stated.

When remittances are not made according to the following directions, we disclaim all responsibility:

FOUR SAFE WAYS.

A Post Office Money Order will cost as follows: Sums not exceeding $2.50, 3 cents; over $2.50 and not exceeding $5.00, 5 cents; over $5.00 and not exceeding $10.00, 8 cents. This is the best way, and we advise our friends, when possible, to send a money order.

Express Money Order.—To be obtained at all offices of the American, United States, Adams, Pacific, National, Wells, Fargo & Co., and other Express Companies.

☞The Expense of forwarding money in either of the above ways we will pay, and the cost may be deducted from the amount forwarded.☜

Draft on New York.—A DRAFT ON NEW YORK can be obtained at any Bank, and this is sure to come safely.

Registered Letter.—When money *cannot be sent by either of the first three methods*, it may be sent in a Registered Letter. The cost of registering is 10 cents.

SUMS LESS THAN FIFTY CENTS may be forwarded by mail at our risk without registering, provided stamps are used.

Cash with Order.—It is *necessary that each order be accompanied with the cash. We send no goods C. O. D.* (*collect on delivery*). **This rule is imperative.**

Our Customers in Canada.—*We do not pay duties*, but pay the postage on Seeds, Bulbs, and Plants, purchased at retail catalogue prices, excepting when the price is given delivered at the Express or Railroad office here.

Free Delivery—Unless otherwise noted in this catalogue, we will prepay the postage or express charges to any part of the United States and its possessions, and Canada, on all Vegetable and Flower Seeds, Plants, Bulbs, Shrubs, Roses and Small Fruits. **We do not prepay charges on Ornamental Trees or Fruit Trees.**

Free by Express.—All orders weighing two pounds or over will be forwarded by Express, if possible. Our customers will oblige us very much by giving their *nearest express office* and the name of the Company delivering goods. **This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, or when especially noted, or to miscellaneous articles.**

Special Notice to Our Customers. Express Companies have a special rate or discount on Seeds, Plants, Bulbs, Potatoes and Small Fruits. Refer Agent to "General Special Scale N." When packages are forwarded not prepaid, or at expense of purchaser, they are labeled with the following notice: "This package is carried on the general special seed rate which is 20% less than merchandise rates." See that your Local Agent shares you accordingly.

The Safe Arrival of Packages Guaranteed.—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in the United States and Canada. When customers fail to receive their Seeds, Bulbs or Plants in a reasonable time they should inform us, and send a copy of their order, stating the amount of money, and in what manner it was sent.

Whenever writing in reference to a previous order, *be sure* and *mention the post office* to which the goods were to be shipped, and the *post office* from which the order was mailed, *and sign the same name as in the first order.*

Shipping Plants.—All orders for plants will be held until about April 1st. **If wanted for winter flowering or immediate use, state the fact,** and they will be shipped accordingly, though in case of severe cold storms we may hold for a few days.

Wholesale Prices for Market Gardeners

THIS LIST contains special prices on most of the leading varieties used by market gardeners and extensive growers. See body of this Catalogue for descriptions and illustrations. For prices on packets and ounces deduct 30 per cent. from catalogue prices; on one-half pints and pints deduct 20 per cent. from catalogue prices. If you want varieties not mentioned in this price list, send us a list, always stating approximate quantity and let us quote special price.

Special Offer As a special inducement to Market Gardeners to send us their entire orders without delay, we will make the following special offer: On orders taken from **this Price List** accompanied by CASH amounting to $10.00 or over, provided not more than one-fourth of said order consists of heavy bulk goods, such as Beans, Peas, Corn and Onion Sets, we will pay the freight to all points South of Wisconsin, East of the Mississippi, and North of the Ohio and Potomac Rivers.

In view of the low prices which we have quoted in this Gardener's Price List, and the liberal discounts we allow from retail prices on packets and ounces, we believe that this inducement will be sufficient to bring an unusually large number of orders this year. We shall take just as much care in filling small orders as in filllling the largest and best. Every order, whether large or small, will be filled from VICK QUALITY stock. But large orders are much easier to fill than small one, hence we can afford to make this offer on orders **amounting to $10.00 or over.**

If your own order does not amount to $10.00, show this Price List to other Gardeners and induce them to send their orders with yours. If the two or more orders amount to $10.00, and can be **shipped to one address,** we will pay the freight in accordance with the above offer.

Send Your Order TO-DAY. Don't Wait.

It Is Better to Get the Seed On Hand a Week Early Than a Day Late.

Asparagus

	¼ lb.	lb.
Conover's Colossal	$ 15	$ 40
Palmetto	15	40
Vick's Mammoth	25	75

Asparagus Roots

	100	1000
Conover's Colossal, 2-year	$0 60	$4 50
Vick's Mammoth, 2-year	90	5 25

Beets

	¼ lb.	lb.
Crimson Globe	$0 35	$1 25
Crosby's Egyptian	30	1 10
Detroit Dark Red	35	1 25
Extra Early Egyptian Blood Turnip	30	10
Early Eclipse	30	1 10
Rochester	35	1 25

Mangel Wurzel

	¼ lb.	½ lb	lb.
Champion Yellow	$0 10	$0 15	$0 30
Golden Tankard	10	20	35
Long Yellow	10	15	30
Red Globe	10	15	30
Sludstrup	15	30	50
Taroeje	15	30	50
Vick's Golden Giant	10	20	35
Vick's Mammoth Long Red	10	20	35

Sugar Beets

	¼ lb.	½ lb.	lb.
Imperial White Sugar	$0 15	$0 25	$0 40
Klein Wanzleben	15	25	40
Vilmorin's Red-Top Sugar	15	25	40

Beans

	qt.	4 qts.	pk.	bush.
Bountiful	$0 30	$0 90	$1 50	$5 00
Dwarf Horticultural	30	90	1 50	5 00
Extra Early Red Valentine	30	90	1 50	5 00
Extra Early Refugee	30	90	1 50	5 00
Fordhook Bush Lima	40	1 35	2 50	8 50
Improved Golden Wax	30	90	1 75	6 00
Improved Bush Lima	35	1 00	1 85	7 00
Long Yellow Six Weeks	30	90	1 50	4 75
Longfellow	30	90	1 75	5 50
Prolific German Black Wax	30	90	1 75	5 75
Rustless Golden Wax	30	90	1 75	6 00
Refugee Wax	30	90	1 75	6 00
Stringless Green-Pod	30	90	1 50	5 00
True Bush Lima	35	1 00	1 85	7 00
Wardwell's Kidney Wax	30	90	1 75	6 00
Wood's New Prolific Bush Lima	30	1 00	1 85	6 50
Yosemite Mammoth Wax	35	1 00	1 85	6 50

Pole or Running Beans

	qt.	4 qts.	pk.	bush.
Dreer's Improved Lima	$0 30	$1 00	$1 85	$6 50
Extra Early Jersey Lima	30	1 00	1 85	6 50
Early Golden Cluster Wax	35	1 25	2 25	8 00
Large White Lima	25	90	1 75	6 00
Siebert's Early Lima	30	1 00	1 85	6 25

For prices on smaller quantities deduct 20% from the catalogue prices

See Our Special Premium Offers on Last Page of this Price List.

Cabbage

	¼ lb.	lb.
All Seasons	$0 50	$1 75
Copenhagen Market, ounce 80 cents	1 90	6 50
Charleston or Large Wakefield	60	2 00
Danish Stonehead, or Round Red, ounce 40 cents	1 25	4 50
Early Jersey Wakefield	60	2 00
Improved Early Summer	50	1 75
Improved American Savoy	45	1 60
Mammoth Rock Red	50	1 75
Vick's Improved Danish Ballhead	75	2 50
Vick's Short-stem Early Danish Ballhead	85	2 75
Warren Stone Mason	60	2 00

Cauliflower

	¼ oz.	oz.
Early Snowball	$0 50	$1 50
Vick's Danish Giant or Dry Weather	75	2 50
Vick's Ideal	1 00	3 00
	oz.	¼ lb.
Large Late Algiers	$0 50	$1 75

Celery

	¼ lb.	lb.
Dwarf Golden Heart	$0 60	$2 00
Giant Pascal	50	1 75
Paris Golden Dwarf Self-Blanching. Stock very short. $1.00 per oz		14 50
White Plume	60	2 25

Celeriac

Large Smooth Prague or Turnip-Rooted	$0 60	$2 00

Carrot

Chantenay Stump-Rooted	$0 60	$2 00
Guerande or Oxheart	65	2 10
Danvers Half-Long Orange	60	2 00
Earliest French Forcing	60	2 00
Half-Long Nantes Stump-Rooted	65	2 10
Improved Long Orange	60	2 00

Corn

	qt.	4 qts.	pk.	bush.
Black Mexican	$0 20	$0 70	$1 25	$4 50
Crosby's Early	20	70	1 20	4 00
Country Gentleman	25	75	1 35	5 00
Early Minnesota	20	70	1 20	4 00
Extra Early Adams	20	70	1 20	4 00
Extra Early Red Cory	20	60	1 00	3 75
Golden Bantam	25	75	1 35	5 00
Hiawatha	25	75	1 35	5 00
Mammoth White Cory	20	70	1 20	4 00
Metropolitan	20	70	1 25	4 50
Mammoth Late Sugar	25	75	1 35	5 00
Perry's Hybrid Sugar	20	70	1 25	4 50
Potter's Excelsior	20	70	1 25	4 50
Stowell's Evergreen	20	60	1 00	3 75
Vick's Earliest of All	20	60	1 00	3 75
Vick's Golden Nugget	20	70	1 25	4 50

For smaller quantities deduct 20% from Catalogue prices

Cucumber

	¼ lb.	lb.
Chicago or Westerfield Pickling	$0 25	$1 85
Davis Perfect	35	1 15
Improved Early White Spine	25	1 85
Improved Long Green	25	1 85
The Howard	35	1 15
Vick's Perfection White Spine	35	1 25

Cress

	¼ lb.	lb.
Australian	$0 15	$0 50
Fine Curled	10	35
Water	75	2 50

Dandelion

	¼ oz.	1 oz.
Common	$0 10	$0 25
Improved Thick Leaved	15	40

Endive

	¼ lb.	lb.
All varieties	$0 30	$1 00

Egg Plant

Black Beauty	$1 25	$4 00
Improved New York Spineless	1 00	3 00

Lettuce

	¼ lb.	lb.
Boston Forcing	$0 30	$1 00
Black Seeded Simpson	30	1 00
Big Boston	35	1 25
Cooper	35	1 25
Grand Rapids Forcing	30	1 00
Imperial White Cabbage	30	90
Paris White Cos	30	1 00
Salamander	30	90
The Keene	40	1 50
Vick's Royal	30	1 00

Kohl Rabi

Early White Vienna	$0 50	$1 60
Early Purple Vienna	50	1 60
Large Early White	30	1 25

Leek

Broad Flag	$0 30	$1 00
Musselburg	$0 30	1 00

Mushroom Spawn

Pure Culture, 20 cents per lb.; 16 cents in 10 lb. lots; 15 cents in 100 lb. lots.

Muskmelon

Emerald Gem	$1 75	$2 00
Irondequoit	75	6 00
Jenny Lind	30	1 00
Osage	35	1 25
Paul Rose	35	1 25
Rocky Ford	25	75

Watermelon

Cole's Early	$0 25	$0 75
Kleckley Sweets	25	80
Kolb's Gem	20	60
Sweet Heart	20	60

Mustard

Giant Southern Curled	$0 15	$0 40
White	10	25

Okra

Perkin's Improved Long Pod	$0 20	$ 50
White Velvet	15	40

Onion

	¼ lb.	lb.
Ailsa Craig	$1 00	$3 50
Danvers Yellow Globe, extra selected strain	40	1 35
Large Yellow Strasburg	35	1 25
Large Yellow Dutch	35	1 25
Large Red Wethersfield	40	1 25
Mammoth Prize Taker	45	1 50
Red Bermuda	70	2 25
Southport Yellow Globe	35	1 40
Southport Large Red Globe	35	1 25
Southport White Globe	70	2 25
White Queen	50	1 75
White Bermuda	75	2 60
White Portugal	50	1 75

Onion Sets

Subject to market change.

	¼ bu.	bu.
Multipliers	$1 00	$3 00
White Bottom	1 00	3 00
Yellow Bottom	85	2 75

Peas

	qt.	4 qts.	pk.	bu.
EARLY SMOOTH VARIETIES				
Alaska	$0 30	$1 10	$2 00	$7 00
First and Best	30	1 10	2 00	7 00
Vick's Extra Early	30	1 15	2 20	7 50
EARLY WRINKLED VARIETIES				
American Wonder	50	1 60	3 00	11 00
Extra Early Premium Gem	50	1 60	3 00	11 00
Nott's Excelsior	50	1 60	3 00	11 00
Prosperity or Gradus	60	2 25	4 00	15 00
Surprise	50	1 60	3 00	11 00
Thomas Laxton	60	2 00	3 75	14 00
MAIN CROP VARIETIES				
Bliss' Abundance	35	1 25	2 25	8 00
Bliss' Everbearing	35	1 25	2 35	8 50
Champion of England	35	1 35	2 50	9 00
Horsford's Market Garden	35	1 35	2 50	9 00
Improved Pride of the Market	40	1 40	2 65	9 50
Improved Stratagem	50	1 75	3 25	12 50
Improved Telephone	50	1 75	3 25	12 00
Long Island Mammoth	40	1 40	2 65	9 50
Large Black-eyed Marrowfat	25	90	1 50	5 50
Large White Marrowfat	25	90	1 50	5 50
McLean's Advancer	35	1 25	2 25	8 00
Yorkshire Hero	35	1 25	2 25	8 00
Vick's Daisy	40	1 40	2 65	9 50

For smaller quantities deduct 20% from Catalogue prices.

Parsnip

	¼ lb.	lb.
All varieties	$0 25	$ 65

Parsley

Champion Moss Curled	$0 20	$0 75
Hamburgh	20	75
Vick's Triple Curled	20	75

Pumpkin

Large Cheese	$0 15	$0 50
Large Tours	15	50
Sugar or Pie	15	50
Winter Luxury	20	65

Pepper

	¼ lb.	lb.
Chinese Giant	$1 00	$3 50
Large Bell or Bull Nose	65	2 00
Long Red Cayenne	65	2 00
Ruby King	50	1 75
Sweet Mountain or Mammoth	65	2 00

Radish

Coopers Sparkler	$0 15	$0 50
Early Round Dark Red	15	40
Extra Early Scarlet Turnip	15	50
French Breakfast	15	50
Icicle	20	60
Long Brightest Scarlet or Cincinnati Market	15	50
Long Scarlet Short Top	15	50
Long Black Spanish Winter	15	50
Round Black Spanish Winter	15	50
Scarlet Turnip White Tip	15	50
Vick's Scarlet Globe	15	50
Vick's All Seasons	20	60
White Delicious	20	60
White Strasburg	15	50
White Spanish Winter	15	50
Wood's Early Frame	15	50

Spinach

	5 lb.	10 lb.	25 lb. or over
All varieties	$0 18	$0 17	$0 16

Salsify

	¼ lb.	lb.
Mammoth Sandwich Island	$0 30	$1 00

Squash

Boston Marrow	$0 20	$0 50
Chicago Warted Hubbard	25	75
Delicious	30	1 00
Fordhook	40	1 25
Hubbard	25	90
Mammoth Bush Summer Crookneck	20	60
Mammoth White Bush Scallop	25	75
New Golden Hubbard	30	1 00
New Golden Bronze	25	85

Tomato

Atlantic Prize	$0 60	$2 00
Beauty	50	1 75
Chalk's Early Jewel	70	2 50
Dwarf Champion	60	2 00
Earliana. Vick Strain. Farm grown	1 00	3 00
Improved Acme	50	1 75
Livingston's Favorite	50	1 75
New Dwarf Stone	85	2 75
Stone	60	2 00

Turnip

Extra Early Purple Top Milan	$0 20	$0 75
Extra Early White Milan	20	75
Early White Snowball or Six Weeks	20	65
Early White Flat Dutch	10	35
Grey Stone	15	60
Purple Top Strap Leaf	10	30
Purple Top White Globe	15	50
Robertson's Golden Ball	10	35
White Egg	15	40

Ruta Baga

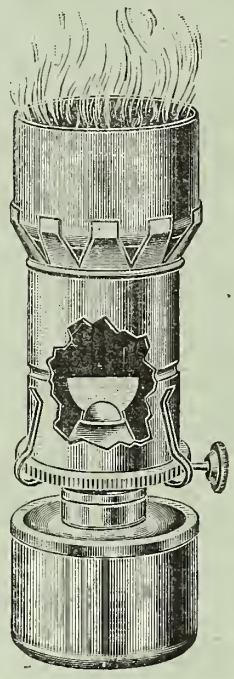
All varieties	$0 10	$0 35

Special Premiums to Market Gardeners

In this price list we are quoting just as low prices on our stocks as conditions will warrant, and to most gardeners these prices will be sufficiently attractive to induce them to send us their orders, but we are desirous of securing just as large orders as possible, because large orders are easier to fill than small ones. Therefore we offer the following premiums, which in addition to our low prices, make better inducements, quality considered, than are offered by any other seedmen in the country.

Defiance Fumigating Lamp

A necessity in every greenhouse. Burns kerosene. Made of heavy tin throughout. The oil fount as well as the cup which holds the Nicoticide, Nicofume, or similar preparations, is drawn in one piece and cannot leak. Every lamp supplied with a wick. No glass to be broken. Will surely kill plant lice, etc. Used by prominent Market Gardeners everywhere. This lamp is much superior to any other arrangement ever invented; much cheaper than alcohol lamps. Prepaid price, 65 cents; per dozen, $4.00 f. o. b. Rochester. One complete lamp free with a Market Gardener's order of $5.00.

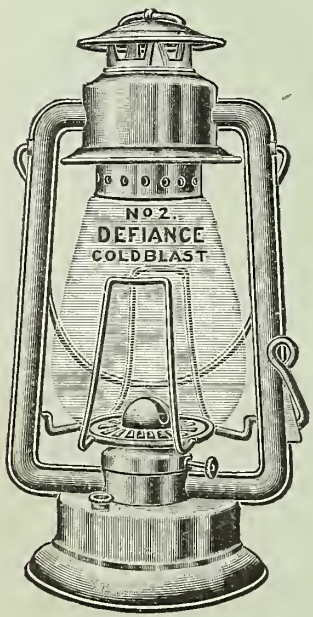


"Defiance" No. 2 Cold Blast Lantern. Standard Size

Made of the best IX Tin throughout, and the best grade of Tinned steel wire.

The oil-fount is drawn in one piece and retinned afterwards. The bottom is doubled-seamed to the fount, not soldered, and every lantern is tested so there can be no leak.

The top is drawn in one piece and retinned; it is very strong as well as neat in appearance.



The Fluted Globe-Plate prevents the wind from striking the flame, which burns without flickering. The guard holds the globe in place when it is hinged back to trim the wick—it is impossible for the globe to fall and break.

The lantern has the latest and best side-lift for raising the globe to light.

It is absolutely wind-proof and will not jar out.

The best globes and burners are used.

The lantern gives a very bright light and is guaranteed in every respect.

A wick in every Lantern. Will burn twenty-two hours when filled.

This lantern is much superior to the common kind usually sold. More convenient, safer, and will last longer. Prepaid price, $1.50. Given free with a Market Gardener's order for $16.00.

An Extra Fine Quality Pocket Knife

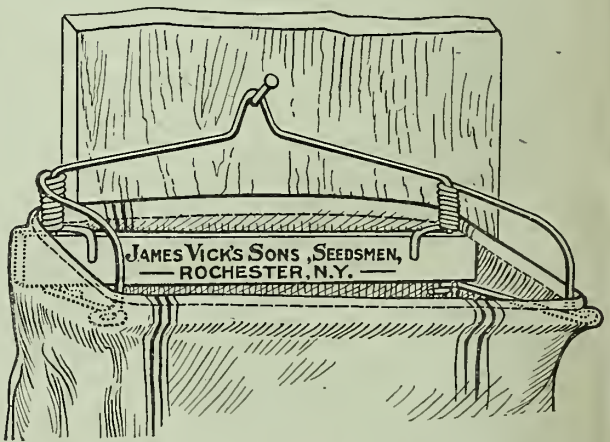
Made by the Robeson Cutlery Co., of Rochester. Two blades of best high tempered steel. Stag handle. Retails for 75 cents. Given free with a Market Gardener's order amounting to $7.50.

Special Fine Made Fountain Pen

Indispensable to any man or woman. These pens are carried by hundreds of business men and have given perfect satisfaction in every way. Plain hard rubber barrel; 14K Gold Pen. Price $1.00. Given free with a Market Gardener's order amounting to $12.00.

The Detroit Grain Bag Holder

Made of heavy wire, attached to a wooden back, strong and durable. Will last a lifetime. Although it does not weigh a pound, it will hold a two bushel grain bag securely. Will hang on a nail anywhere, or can be suspended by a rope. No hook to tear. Bag will not come off. Easily attached; perfect in its adjustment. No one who handles grain can afford to be without one. It is the only bag holder which will actually hold a bag better than it is possible to do by hand, and it costs much less than the value of time consumed by a man in holding fifty bags while they are being filled with grain. Price, 50 cents, postpaid. Given free with a Market Gardener's order amounting to $5.00.



James Vick's Son's, Seedsmen, Rochester, N. Y.

Our Vegetable and Flower Show at the New York State Fair

WE thought last year that our exhibit had reached the limit in the number of entries, and in the quality of the flowers and vegetables. Owing to an unfavorable spring in many parts of the country, we anticipated a fewer number of entries this year, but we were agreeably surprised It required four hundred square feet of additional space to display the many entries of vegetables and Asters, making a total of fourteen hundred square feet. The large table room alloted to us was filled with the finest collection of Asters and Vegetables ever exhibited, all grown from our own seed, and coming from almost every State in the Union.

The packages began to arrive on Saturday, more were delivered on Sunday and by Monday evening several wagon loads of empty boxes were stacked outside our exhibit. A few entries came as late in the week as Wednesday, after the awards had been made. In Vegetables the Mangel Wurzels attracted the most attention and our attendants were kept busy explaining their nature to the city people. The largest one weighed twenty-eight and one-half pounds. The Asters were better than last year. Never have we seen a finer collection, great long stems, flowers perfect in form and mammoth in size. Nearly all were well packed and were received in good condition. Many of the vases, especially of the Violet King, Rose King and Vick's Pink Branching were still fresh looking at the close of the Fair. A much longer time than usual was required to determine those entitled to premiums. Our only regret is that the premiums were not equal to the demand. Every exhibitor is entitled to a great deal of praise for the fine showing. The judging was entirely controlled by the New York State Fair Officials, and so was out of our hands. The gentlemen who officiated as judges were honest and impartial, and we herewith show our appreciation of their services by publicly expressing our thanks. The premiums by States were divided as follows: Canada, twenty-one; New York, forty-eight; Michigan, three; Wisconsin, three; and one each to Illinois, Ohio, Oregon, Connecticut and Idaho.

The Names of the Winners of Premiums in both the Vegetable and the Aster Classes follow:

Vick Quality Asters

Vick's White Branching

1st—T. Patterson, Stratford, Ont.
2nd—C. Mortimer Bezzo, Berlin, Ont.
3rd—S. D. Furminger, St. Catherines, Ont.
4th—Ralph C. H. Fowler, Auburn, N. Y.
5th—W. D. Woodruff, St. Catherines, Ont.

Violet King

1st—B. D. Timmerman, Medina, N. Y.
2nd—Henry R. Mollet, Marathon, N. Y.
3rd—Ralph C. H. Fowler, Auburn, N. Y.
4th—Mrs. Howard Plumb, N. Bangor, N.Y.
5th—James E. Cole, Fulton, N. Y.

Rose King

1st—B. D. Timmerman, Medina, N. Y.
2nd—W. D. Woodruff, St. Catherines, Ont.
3rd—Mrs. Geo. Palmer, Chicago, Ill.
4th—S. D. Furminger, St. Catherines, Ont.
5th—Henry R. Mollet, Marathon, N. Y.

White Hohenzollern

1st—Frank F. Mesmer, Syracuse, N. Y.
2nd—B. D. Timmerman, Medina, N. Y.
3rd—F. C. Tack, Newark, N. Y.
4th—T. Patterson, Stratford, Ont.
5th—Matt Buzzard, Fenton, Mich.

Vick's Pink Branching

1st—J. E. Murphy, Canastota, N. Y.
2nd—C. Mortimer Bezzo, Berlin, Ont.
3rd—T. Patterson, Stratford, Ont.
4th—Mrs. W. H. C. Nicholson, St. Catherines, Ont.
5th—S. D. Furminger, St. Catherines, Ont.

Vick's Mikado Pink "Rochester"

1st—B. D. Timmerman, Medina, N. Y.
2nd—Matt Buzzard, Fenton, Mich.
3rd—Henry R. Mollet, Marathon, N. Y.
4th—C. Mortimer Bezzo, Berlin, Ont.
5th—W. D. Woodruff, St. Catherines, Ont.

Grand Premium Collections

1st—B. D. Timmerman, Medina, N. Y.
2nd—C. Bechstedt, Oswego, N. Y.
3rd—Geo. O. Dumas, Fulton, N. Y.
4th—W. D. Woodruff, St. Catherines, Ont.
5th—James W. Norris, Minetto, N. Y.

Vick Quality Vegetables

Earliana Tomato

1st—S. D. Furminger, St. Catherines, Ont.
2nd—Mrs. James Ketchum, St. Clair, Mich.
3rd—W. D. Woodruff, St. Catherines, Ont.
4th—John Vogelgsang, Fulton, N. Y.
5th—J. E. Murphy, Canastota, N. Y.
6th—Myron W. Ames, Clay, N. Y.

Vick's Golden Nugget Sweet Corn

1st—Henry R. Mollet, Marathon, N. Y.
2nd—Frank J. Lindley, Fox Lake, Wis.
3rd—J. E. Murphy, Canastota, N. Y.
4th—P. J. Sheehan, Niles, Ohio.
5th—Wm. McMoran, Fox Lake, Wis.
6th—Mrs. Herman H. Ferrier, Springville, N. Y.

Cauliflower

1st—Mrs. Grace A. McCullock, Cicero, N. Y.
2nd—R. L. Vogelsang, Fulton, N. Y.
3rd—Abel Steele, Ferguson, Ont.
4th—Henry R. Mollet, Marathon, N. Y.
5th—J. P. Ordway, Canisteo, N. Y.
6th—F. G. Vogelsang, Fulton, N. Y.

Irondequoit Melon

1st—W. E. Talbot, Syracuse, N. Y.
2nd—H. L. Hall, Yorkville, N. Y.
3rd—W. D. Woodruff, St. Catherines, Ont.
4th—Mrs. Esther Buettner, Shawano, Wis.
5th—Mrs. Charles Dolbear, Fulton, N. Y.
6th—C. S. Mallery, Owego, N. Y.

Cabbage

1st—Henry R. Mollet, Marathon, N. Y.
2nd—E. G. Hills, Fulton, N. Y.
3rd—S. Dermont Murphy, Clockville, N.Y.
4th—F. H. Burr, Herkimer, N. Y.
5th—S. D. Furminger, St. Catherines, Ont.
6th—Wallace Wood, Groton, N. Y.

Onion

1st—W. D. Woodruff, St. Catherines, Ont.
2nd—Frank Wood, Newberg, Oreg.
3rd—J. E. Murphy, Canastota, N. Y.
4th—Charles A. Reed, Danbury, Conn.
5th—Mrs. Grace A. McCullock, Cicero, N.Y.
6th—Frank J. Miller, Vernon Center, N.Y.

Potatoes

1st—Benj. T. Preston, McGraw, N. Y.
2nd—Henry R. Mollet, Marathon, N. Y.
3rd—Mrs. Maggie Winans, Filer, Idaho.
4th—John Vogelgsang, Fulton, N. Y.
5th—R. L. Vogelgsang, Fulton, N. Y.
6th—S. Dermont Murphy, Clockville, N.Y.

Golden Giant Mangel Wurzel

1st—Abel Steele, Ferguson, Ont.
2nd—J. P. Ordway, Canisteo, N. Y.
3rd—W. D. Woodruff, St. Catherines, Ont.
4th—S. D. Furminger, St. Catherines, Ont.
5th—Mrs. Grace A. McCullock, Cicero, N.Y.
6th—Geo. J. Townsend, Palmyra, N. Y.

ASPARAGUS

As Asparagus seed germinates very slowly, it is advisable to pour hot water over it. When cool, pour off the water and treat it again with hot water. Sow seed quite early in spring, in a bed of light, rich, well-manured soil, in drills one foot apart and two inches deep. When the plants are well up, thin to about one inch apart. When the plants become withered, cut them down, and spread well-rotted stable manure two inches deep over the bed. Let the plants remain in the seedbed until they are about to grow, early in spring. The subsoil of the permanent bed should be dry, and if not so, it must be well drained. It should be dug thoroughly at least two and a half feet deep, and mixed with plenty of well rotted manure. For private garden use set the plants in rows two feet apart, and about a foot apart in the row, with crowns four inches below the surface, and spread the roots. For field culture the rows should be six feet apart and two feet apart in the rows. Before winter cover the transplanted beds with about four inches of manure, and fork it in the next spring, being careful not to injure the roots. In autumn, cut the ripe tops and burn the refuse. One pound of seed will produce plants sufficient for an acre, and one ounce of seed will sow a drill fifty feet long.

Vick's Mammoth ***Is without exception the largest, heaviest and best Asparagus grown.***

A bunch of twelve stalks will weigh three to four pounds. In size, color, and yield, it far surpasses any other variety. The delicacy of its color notably distinguishes it from other green varieties, while its thick stalks are unusually tender and succulent and of delicious flavor. **Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., $1.00.**

Conover's Colossal. The old standard variety; of large size, rapid growth, and of best quality. **Ounce, 5 cents; ¼ lb., 15 cents; lb., 50 cents.**

Palmetto. Of Southern origin, but equally adapted for North or South. Early, large, productive, and of excellent quality. **Packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; lb., 60 cents.**

Columbian Mammoth White. A variety, producing white stalks of large size and finest quality and flavor. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Asparagus Roots

By purchasing plants at least a year of time is saved. The young shoots may be cut for the table the second season. A bed 8 x 27 feet, requiring 100 plants will supply an ordinary family.

Vick's Mammoth. STRONG TWO-YEAR ROOTS—100, by mail, prepaid, $1.50. By express or freight, not prepaid, per 100, $1.00; per 1000, $6.00.

Conover's Colossal. STRONG TWO-YEAR ROOTS—100, by mail, prepaid, $1.25. By express or freight, not prepaid, per 100, 75 cents; per 1000, $5.00.

Asparagus Roots

Strong two-year-old from seed give the best satisfaction, producing an earlier and more abundant crop than either one or three-year-old roots. Home grown Asparagus is superior in flavor and tenderness to that purchased at the market.

After planting, the bed will last for years.

ASPARAGUS, VICK'S MAMMOTH

ARTICHOKE

The Globe Artichoke is cultivated for its flower heads, which are used in an undeveloped state, cooked like Asparagus. Plant seed early in spring, three inches apart, in rows one foot apart. When one year old, transplant to rows three feet apart and one foot apart in the row. Where the winters are severe protect the plants with leaves or dry litter, to keep the crowns from freezing.

Green Globe. Seed, packet, 10 cents; oz., 35 cents; lb., $3.50.

Jerusalem. See Farm Seeds. See page 41.

BROCCOLI

Sow seed early, in coldframe or hotbed. Early in April the plants may be transplanted into the open ground, about two feet apart each way; make the soil rich with fertilizer. Cultivate same as Cauliflower. One ounce will produce about 4000 plants.

Purple Cape. One of the hardiest and most popular varieties, and the most certain to form a good head; the earliest of the purple varieties. **Packet, 10 cents; oz., 35 cents; ¼ lb., $1.00; lb., $3.50.**

White Cape. Heads medium size, compact, of a creamy white color excellent flavor. **Packet, 10 cents; oz., 35 cents; ¼ lb., $1.00; lb., $3.50**

BORECOLE OR CALE

BRUSSELS SPROUTS

Sow seed in early spring and treat like winter Cabbage. One ounce will produce about 5,000 plants.

Improved Dwarf. Packet, 5 cents; oz., 25 cents; lb., $2.50.

BORECOLE OR KALE

Sow seed early in June and transplant. Culture same as for Cabbage. One ounce will sow 300 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., $1.00.

Tall Green Curled Scotch. Finely curled; very hardy; one of the best.

Dwarf Green Curled Scotch. Dwarf, beautifully curled, and bright green; hardy, and may be cut from the ground all the early part of winter.

Dwarf Purple. Like Scotch Kale except in color, but more hardy.

BRUSSELS SPROUTS

BEANS

THE Dwarf Beans are earliest and most hardy, as a general rule. In garden culture Beans are usually planted about two inches deep, in rows eighteen inches apart, and three inches apart in the row; in field culture, in drills two to three feet apart, so as to cultivate with horse one way. Until blossoming season, frequent but shallow cultivation should be given. Seed of the large varieties should be planted with the eye downward. One quart of seed will be sufficient for 100 hills of Limas, and 250 to 300 hills of the other varieties, and for about 100 feet of drill. Sow one bushel per acre.

For prices on larger quantities, see page 35.

FOR PRICES ON LARGER QUANTITIES, BY EXPRESS OR FREIGHT, SEE PAGE 35

Yellow or Wax-Pod Bush Beans

Brittle Wax *Early, Productive, Tender and of Extra Fine Quality*

Stringless and crisp. Pods round, a rich golden yellow, five to six inches long. In comparison with other varieties on our trial grounds, it has proved itself to be a superior sort. **Packet, 10 cents; ½ pt., 20 cents, pt., 30 cents; qt., 50 cents.**

Wardwell's Kidney Wax. This variety is very hardy, extremely prolific, producing a heavy crop of long, flat pods, of a delicate waxy yellow, stringless and brittle. The beans are large, kidney-shaped, white, with dark markings about the eyes. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Rustless Golden Wax

A Strong grower, Positively free from rust

and of remarkable vigor. The pods are meaty and well filled, of fine quality, and stringless from first to last. With its fine quality, hardiness, productiveness, and freedom from rust, it has become a general favorite and a great improvement over Golden Wax. **Packet, 10 cents; ½ pt., 20 cents; pt. 30 cents; qt., 50 cents.**

Pencil-Pod Black Wax. Plants about fifteen inches high, when in bearing filled with long, round, handsome, golden yellow pods. Perfectly stringless, brittle, tender and mild in flavor when cooked. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 50 cents.**

Golden Wax. Pods long, broad, flat, golden-yellow, very fleshy and wax-like, stringless and brittle. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Prolific German Black Wax. An old sort but still retaining its place in the front, and in quality being exceedingly tender and crisp. In our estimation it is one of the best for the home garden. It is early and productive; pods long and round. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

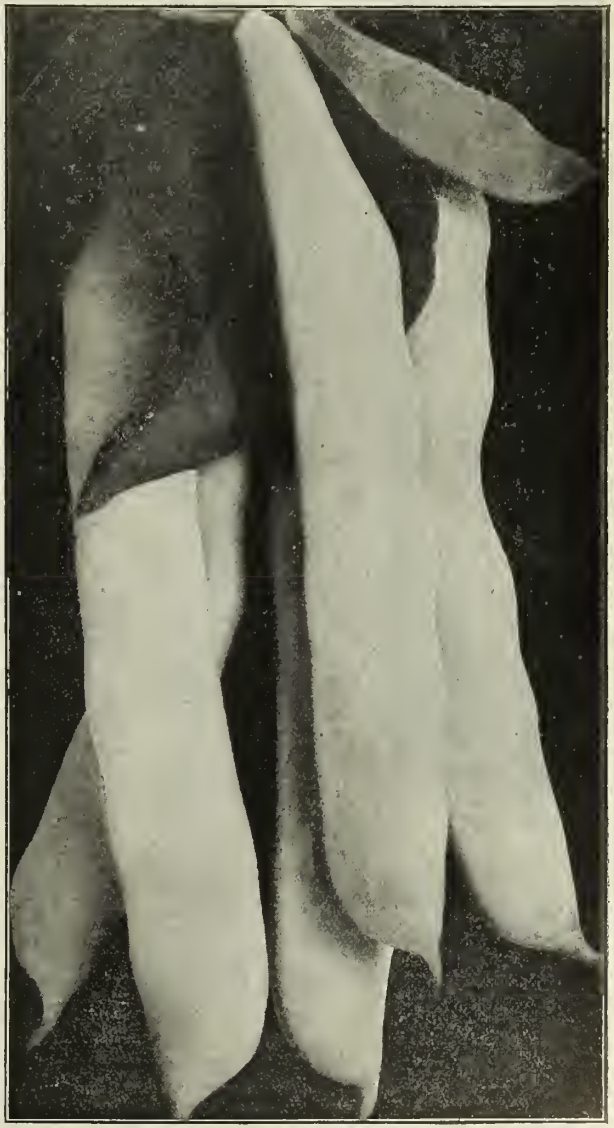
Davis White Wax. A white variety, desirable as a string bean; also used as a shell bean when dry. **Packet, 10 cents; ½ pint, 20 cents; pt., 30 cents; qt., 50 cents.**

Yosemite Mammoth Wax. The pods of this monster Wax Bean are often ten to fourteen inches in length, nearly all solid pulp, and absolutely stringless, cooking tender and delicious. The color of the pods is a rich golden yellow. The plants are extremely large, and should be planted twice as far apart as the ordinary Bush Beans. **Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.**

Refugee Wax

Tested on our trial grounds with many other varieties, the Refugee Wax proved itself to be one of the very best of the wax-pod sorts. The plants produce an abundance of long, round wax-like pods, perfectly stringless, tender and of the finest quality. In color, the pods are a rich, creamy white. This variety is classed among the early sorts, coming into bearing about 40 days after planting and continuing in bearing for several weeks. It is certainly one of the best beans for either the home garden or market. **Packet 10 cents; ½ pt., 20 cents; pt. 30 cents; qt., 50 cents.**

Michigan White Wax. A bean of exceptional value on account of its earliness, vigorous growth and productiveness. The seed is clear white, for cooking cannot be excelled, and for a dried bean Michigan White Wax is the leader. We have great confidence in recommending this comparatively new sort, being assured from our own trial ground results that it cannot fail to give unlimited satisfaction to those preferring a white bean. May be cooked early in the pod, or later as dried beans. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**



Fisher Stringless Golden Wax.

This splendid new Bean was developed by Mr. F. S. Fisher, for many years in charge of our seed farm and trial grounds. From a few bush plants found on our farm, among the Powell's Giant Pole, Mr. Fisher has, after several years of skillful breeding, produced a bush Bean having the immense wax pods of the pole Bean and greatly improved in quality. The beautiful golden yellow pods are very tender, of the finest flavor and perfectly stringless. The plant is vigorous, free from disease and productive. In season, it comes after other wax Beans are gone. This is one of its strongest features and will surely be appreciated by the market gardeners who grow for late market. **Sold this year in packets only. Packet, 20 cents.**

NEW SURE-CROP STRINGLESS WAX

The pods measure 7 to 7½ inches long, more than half an inch wide and nearly as thick.

Green-Pod Bush Beans

Keeney's Stringless Refugee

This grand NEW sort introduced by Mr. Keeney, the Bean expert, is without a doubt the best green podded variety. After years of work and careful selection he has perfected a Bean having all the good points of the old-fashioned Refugee, differing only in the fact that it is perfectly stringless. It forms a strong, rank bush of many branches free from rust. Extremely hardy. Pods are long, round as a pencil, color light gray-green and stringless from start to finish. It is unusually productive. **Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 70 cents.**

"Sure-Crop" Stringless Wax. An absolutely stringless, rust-proof wax-pod bush bean. Pods seven to seven and a half inches long, about half an inch in diameter, and of a beautiful rich yellow color. Plant hardy, extremely prolific—in fact it bears more freely than any variety of recent introduction. Just the bean for the family garden and on account of its size it will prove to be a ready seller on the market. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 60 cents.**

Stringless Green Pod. The pods are absolutely stringless, full, fleshy, crisp, very tender, and of the finest flavor, remaining long in edible condition. Ready for the market two weeks earlier than Valentine, and very prolific. Too much cannot be said in favor of this most excellent Bean, which has become a general favorite among growers. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Full Measure. A new bush variety, popular on account of its wonderful yield and quality. Handsome long green, round pods, of the highest quality and perfectly stringless. It also remains in picking condition many days after maturing, a strong point in its favor, either for market or home garden. **Packet, 10 cts.; ½ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.**

Giant Stringless Green-Pod. This is a distinct new cross-bred variety, possessing all the merits of the old favorite Round-Pod Valentine, but is more prolific; the pods are large, being five to six inches in length, and are absolutely stringless, unusually crisp, round, full, and fleshy; qualities which highly recommend it for home and market gardens. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Longfellow. A round, solid, very early, Green-Podded Bean. Good quality, being tender and crisp, also exceedingly prolific. One of the best for the home garden or market. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Extra Early Red Valentine. One of the most popular of the extra early green snap sorts. The pods are round, fleshy, and well filled with beans of excellent quality. **Pkt., 10 cents; ½ pt., 15 cents; pt., 25 cents; qt., 45 cents.**

Extra Early Refugee. One of the earliest of the green-podded sorts, being about two weeks earlier than the ordinary Refugee, while possessing all the superior qualities of that variety—straight, cylindrical, tender pods, of fine flavor and handsome appearance. Excellent for pickles. It is an enormous yielder, and sure cropper. **Packet, 10 cents; ½ pt., 15 cents; pint, 25 cents; qt., 45 cents.**

Bountiful. A new Green-Podded Bush variety that has come into prominence in the past few years, owing to its superior quality, earliness and productiveness. One great feature is that while it bears early, its pods remain in an edible condition for a long time. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Dwarf Horticultural. A standard New England sort. The pods are medium in length, cylindrical, curved, splashed with bright red on a yellowish ground. The beans are round and speckled. **Pkt., 10 cents; ½ pt., 20 cents; pt., 30 cts; qt., 50 cents.**

Long Yellow Six Weeks. A very early standard variety, much prized for its productiveness and excellent quality. The green pods are often eight inches long, tender and brittle. **Pkt., 10 cts.; ½ pt., 20 cts.; pt., 35 cts.; qt., 50 cts.**

BRITTLE WAX BEAN

Dwarf Bush Lima Beans

Fordhook Bush Lima

Without doubt the best Dwarf Bush Lima

Earlier than the Pole Limas by ten days. Pods measuring from four to five inches in length, containing four to five large beans. The plants grow to a height of 20 to 30 inches; are strong and bushy, of a rich dark green color. **Packet, 15 cents; ½ pt., 25 cents; pt., 45 cents; qt., 75 cents.**

True Bush Lima (Burpee's.) The bush grows from eighteen to twenty-four inches high, branching freely, bearing from 50 to 200 large pods, well filled with delicious buttery beans. Plant in rows three feet apart, and thin to twelve or eighteen inches apart in the row. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Wood's New Prolific Bush Lima. A greatly improved strain of Henderson's Bush Lima, or Dwarf Sieva Bean. Equally as early and prolific, and produces much larger pods and beans. Being about two weeks earlier than the true Limas, it is very desirable for planting for an early supply, or in latitudes where the true Limas do not succeed well. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

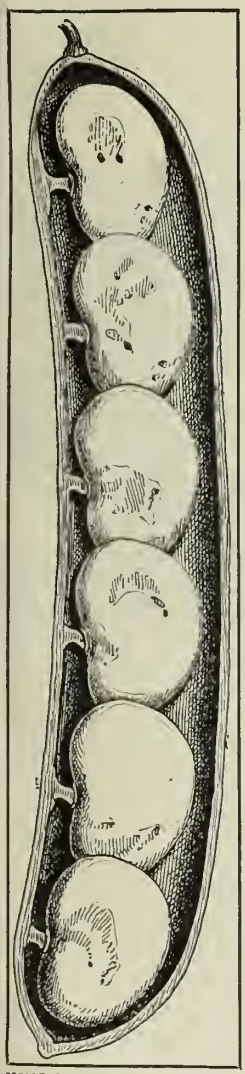
Improved Bush Lima (Dreer's, Kumerle, or Thorburn.) Similar to above. The beans in the pod grow close together, are very thick, and of superior flavor. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

FIELD BEANS

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. ½ pint, 20cts, pt., 30 cts.; qt., 50 cts. **Per bushel, at expense of purchaser, $4.50.**

Red Kidney. A popular field sort, Hardy and heavy yielder. ½ pt., 20 cts.; pt. 30 cts.; qt. 50 cts. Bushel, $4.50. Freight or express to be paid by purchaser.

Unless otherwise noted we prepay postage or express charges on all goods listed in this catalogue.



KING OF THE GARDEN LIMA

Pole, or Running Beans

About the middle of May plant four to six beans around poles eight to ten feet high, setting poles four feet apart each way. Thin to three plants to a pole if the soil is rich.

Old Homestead (Kentucky Wonder). Far ahead of any other green Pole Bean. Ten days earlier than any other green sort, being fit for the table by the first of August. It is enormously productive, entirely stringless. The pods, though large, cook tender, and are delicious. A most excellent snap variety. **Packet, 10 cts.; ½ pt., 20 cts.; pt., 30 cts; qt., 50 cts.**

Early Golden Cluster Wax. A vigorous and very productive variety; pods enormously large and long, flat, waxy yellow, tender, and of excellent quality. **Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.**

White Dutch Case-Knife. Good as a shell bean, either green or dry. One of the earliest, and very productive. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

London Horticultural, or Speckled Cranberry (Wren's Egg.) Vines moderately vigorous; pods short, broad, pale green, but becoming streaked with bright red. Popular as a shelled bean, either green or dry. Many people prefer it to the Limas. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents;**

Scarlet Runner. An old favorite; used both as string and shelled beans. Vines strong, rapid growers, often used for ornamenting porches and trellises. Flowers brilliant scarlet. Blooms from early in summer until late in fall. **Packet, 10 cents; ½ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.**

Siebert's Early Lima. The earliest true Lima. The vine is so productive that although the pods rarely contain more than four beans the yield is enormous, and is produced from the very first to the last [of the season. The green shelled beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the Large White Lima. **Packet, 10 cts.; ½ pt., 20 cents; pt., 30 cents; qt., 50 cts.**

Extra Early Jersey Lima. Does not differ materially from other varieties of Lima Beans, except in earliness; in this it has the advantage of from ten days to two weeks over the Large White Lima. **Packet, 10 cts; ½ pint, 20 cts.; pt., 30 cts.; qt., 50 cts.**

Improved Lima (Dreer's). Early and productive. Vines very stout and vigorous. The pods are much thicker than those of the other Limas and contain from four to five large, thick, white beans, of the very best quality. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

"King of the Garden" Lima. A vigorous grower, requiring but two vines to each pole. Begins flowering early, at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Pods measure from five to eight inches, and contain five, six, and seven perfectly formed beans of superior edible quality. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Large White Lima. This old well-known sort needs no description. The green beans, most tender and delicious, are a delight to all in summer, and the dried beans in winter are excellent. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

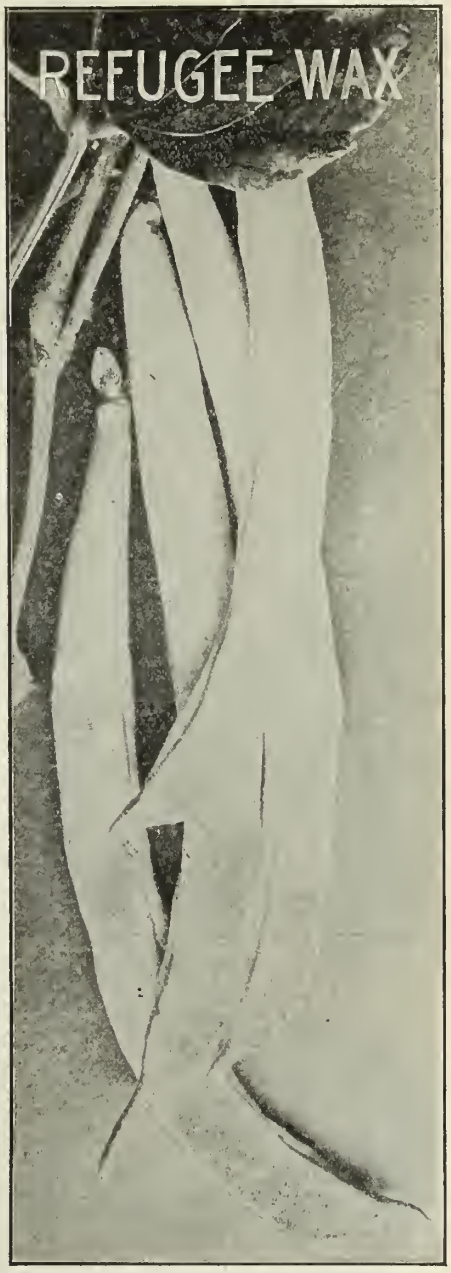
White Kidney (Royal Dwarf). An excellent shell bean for use as a green bean in succotash, and one of the best for winter use; unsurpassed for baked beans. **½ pint, 20 cents; pt., 30 cents; qt., 50 cents. Bushel, at expense of purchaser, $4.00.**

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. **½ pint, 20cts; pt., 30 cts.; qt., 50 cts. Per bushel, at expense of purchaser $4.50.**

For beans, Corn and Peas in large quanties (four quarts and peck) see page 35.

Vick's Golden Nugget Sweet Corn is unequalled by any Sweet Corn on the market. Large ears (seven inches long), twelve rows of plump, milky kernels, that are ready for use soon after the extra early sorts. See page 14 for description and illustrations.

ROCHESTER GROWN MEANS QUALITY



Some of the novelties and good things for this year. Look them over

Bean, Keeney's Stringless Refugee . . . . . Page 4
Bean, Fisher Stringless Golden Wax 3
Beet, Mangel Wurzel, Danish Sludstrup 7
Beet, Mangel Wurzel, Taaroje 7
Cabbage, Copenhagen Market 9
Cabbage, Danish Stonehead 9
Field Corn, Iowa Gold Mine 14
Field Corn, Drought Proof Yellow Dent 14
Garden Pea, Little Marvel 24
Summer Asparagus, The New Vegetable 31
Six New Asters, never before offered 42-43
New White Gladioli, "Rochester White" 86

BEETS

FOR Beets the soil should be rich, mellow, and deep. For early use, sow in a hotbed, and transplant, cutting off the outer leaves. For main crop, sow as early as the ground can be worked, in drills about one inch deep and the rows about fifteen or eighteen inches apart, dropping the seeds about two inches apart, and pressing the soil firmly over them. When the young plants are two to three inches high, thin to five or six inches. For winter use, the turnip varieties may be sown the first week in June, and in October the roots can be stored in a cellar, covering them with sand to prevent shriveling; or they may be kept in pits out of doors. One ounce to fifty feet of drill; five pounds to an acre.

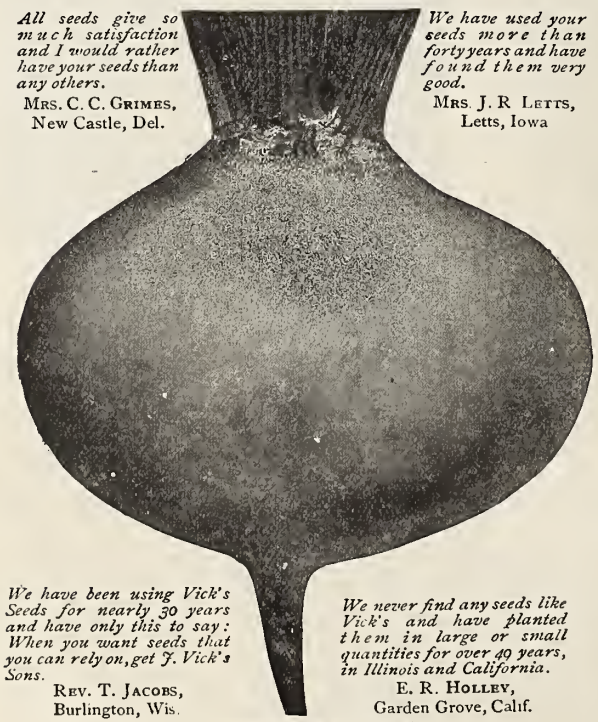
Crosby's Egyptian. A carefully selected strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood-red. It is a rapid grower, attaining a usable size quicker than any other variety, and does not become woody with age. Profitable in almost any soil and extremely satisfactory for the small gardener as well as for the market. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.35.**

Extra Early Egyptian Blood Turnip. A standard sort; ten to twelve days earlier than the old Blood Turnip; fine for forcing and for first early crop out of doors. Roots rich, dark crimson, with very small tap roots; flesh dark blood-red, zoned with lighter shade; crisp, sweet and a desirable and profitable Beet for the market gardener, as well as an exceptionally good variety for the home garden. **Packet, 5 cents; ounce, 15 cents, ¼ pound, 40 cents; pound, $1.25.**

Early Eclipse. This variety is exceedingly popular, and is one of the best early sorts. The tops are small, which admits of close planting. The roots are of a globular shape. Flesh fine-grained, very sweet, crisp, and tender; dark red, zoned with a lighter shade. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.35.**

All seeds give so much satisfaction and I would rather have your seeds than any others.
MRS. C. C. GRIMES,
New Castle, Del.

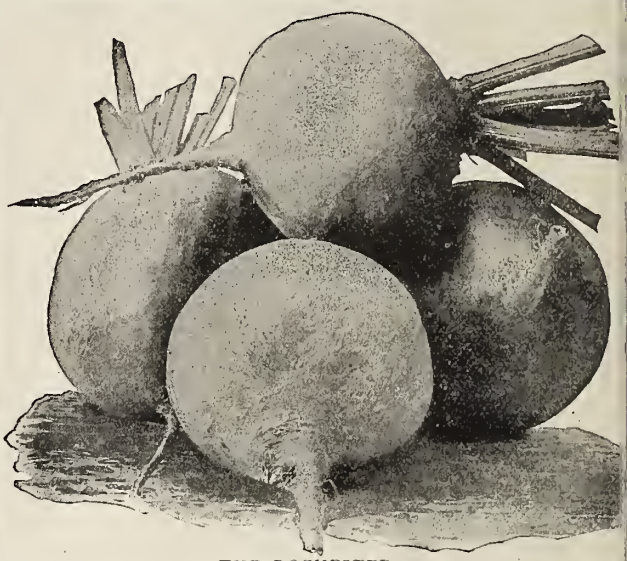
We have used your seeds more than forty years and have found them very good.
MRS. J. R LETTS,
Letts, Iowa



We have been using Vick's Seeds for nearly 30 years and have only this to say: When you want seeds that you can rely on, get J. Vick's Sons.
REV. T. JACOBS,
Burlington, Wis.

We never find any seeds like Vick's and have planted them in large or small quantities for over 40 years, in Illinois and California.
E. R. HOLLEY,
Garden Grove, Calif.

CROSBY'S EGYPTIAN



THE ROCHESTER

The Rochester. A perfect Beet in all respects; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap-root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort but one of the best for the kitchen garden, as it is extra early. **Packet, 10 cents; ounce, 20 cents; ¼ pound, 50 cents; pound, $1.40.**

Arlington Favorite. A dark-leaved, early blood variety, closely following Eclipse in maturing, but of much darker color; perfectly round. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.25.**

Detroit Dark Red. Roots medium in size, globular, and very smooth; skin a dark blood-red; flesh deep bright red, fine-grained, tender, and sweet, remaining so long after many sorts become woody. Tops small, admitting of close planting. On account of its fine appearance it has been said to be particularly a market gardener's variety, but Detroit Dark Red is in every way a desirable Beet for home garden planting. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.35.**

Early Bassano. A good early turnip Beet, tender and juicy. Flesh white and rose. Grows to a good size. Sown late, it keeps well in winter. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.25.**

Edmand's Early Blood Turnip. A market gardener's strain; regular in shape, round, with very small tap-root; flesh a deep blood-red, sweet and tender. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.35.**

Bastian's Early Blood Turnip. Tops small; roots turnip-shaped; flesh tender, blood-red color. A good secondearly variety. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.25.**

Dewing's Improved Early Blood Turnip. Turnip-shaped, smooth, tender, and good About ten days after Bassano. **Packet. 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.25.**

Half-Long Blood Red. An entirely distinct variety. The roots are symmetrical, somewhat pear-shaped, smooth and handsome; flesh a rich dark red, and very sweet, never becoming woody. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound, $1.25.**

Long Smooth Blood Red. Tops large, with good-sized long roots, tapering, and growing even with the surface; dark red; flesh very sweet and tender, remaining so when kept till spring. A popular winter sort. **Packet, 5 cents; ounce, 15 cents; ¼ pound, 40 cents; pound. $1.25.**

In making up your order don't overlook the three new Beans, **Fisher Stringless Golden Wax, Pencil-Pod Wax** and **Full Measure**; the two new Cabbages, **Copenhagen Market** and **Round Red**; **Mangel Wurzels, Danish Sludstrup Barres** and **Danish Taaroje**, also **Vick's Early Wonder White Dent Corn**, all are worthy a place in the garden, or on the farm.

MANGEL WURZEL For Stock Feeding

Mangel Wurzels are of especial value to the stockman and dairyman. The roots are juicy, sweet and refreshing, act as a mild laxative, keep the cattle in good health, thus tending to produce flesh and increasing the flow of milk. The owner of even one or two cows should grow a sufficient quantity of Mangels to provide fresh food in winter when green food is unobtainable. For field culture the rows should be wide enough to admit the horse cultivator, and the roots not nearer than one foot in the row. Sow five or six pounds of seed to the acre.

TWO NEW MANGELS

Here are two improved varieties of Mangel, which have been worked up under the direction of the Danish Government. By careful selection they have secured Mangels which yield a larger tonnage of sugar and other food material than was ever before known. Tests show Sludstrup Barres and Danish Taaroje to yield a larger tonnage of food material than any other varieties. Both of these stocks come from a grower who was granted a First Class Certificate by the Danish Government for the high percentage of sugar and solids in his stocks of these varieties. Sludstrup Barres is the variety to sow on light, deep soil, while Danisb Tarroje surpasses all other varieties where the soil is shallow.

Sludstrup Barres. Long reddish yellow, grows well above ground, easy to pull. It is considered by the Denmark growers to be the best Mangel in the world. **Ounce, 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Danish Taaroje. Has all the good points of the Sludstrup Barres, is more dwarf, ovoid or olive-shaped, golden yellow. Grows more above the surface and is used extensively on heavy soil. **Ounce, 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Vick's Golden Giant The Reliable Variety for the Stock-man

Very productive. Root of magnificent size, growing with half its bulk above ground, making it easy to lift and gather. Root uniform in shape, witb a smootb, russet yellow skin; flesh white, firm sweet, and greatly relisbed by cattle. An excellent keeper. **Ounce, 10 cents: ¼ lb., 20 cents; lb., 60 cents.**

Vick's Mammoth Long Red Tbis is truly a mammoth, a single root often weighing twenty to thirty pounds. Enormously productive, yielding tbirty to forty tons of roots per acre. **Ounce, 10 cents; ¼ lb., 20 cents; lb., 60 cents.**

Golden Tankard. A distinct variety, particularly valuable on account of its richness in saccharine matter, and highly prized by dairymen for its milk-producing qualities. All stock will thrive on it. Deep yellow flesh and skin. **Ounce, 10 cents; ¼ lb., 20 cents; lb., 60 cents.**

Champion Yellow, or Orange Globe. The best round Mangel. Keeps well for winter use. It is also valuable for growing in shallow soils. **Ounce, 10 cents; ¼ lb., 15 cents; lb., 50 cents.**

Red Globe. Similar to Yellow Globe except in color, which is a light red or pink. **Ounce, 10 cents, ¼ lb., 15 cents; lb., 50 cents.**

Long Yellow. One of tbe best long sorts. **Ounce, 10 cents; ¼ lb., 15 cents; lb., 50 cents.**

Mangel Wurzel

Vick's Golden Giant

SUGAR BEETS

When the Sugar Beet is planted for a sugar crop, from six to eight pounds of seed will be required for an acre. Seed may be sown in drills twenty to thirty inches apart. When beets are up two or three inches high, they should be thinned out so as to stand from six to eight inches apart. Discontinue cultivation after formation of roots has commenced. Although Sugar Beets are grown principally for sugar-making and for stock-feeding, they are very desirable for table use, being more tender, sweeter, and of better flavor than any of the sorts grown for that purpose. Everyone should try them.

Klein Wanzleben Sugar. Is being cultivated in Germany almost exclusively for sugar, on account of its great yield of saccharine matter. It gives good returns in any ordinary soil. **Ounce, 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Imperial White Sugar. One of the sweetest and best of Sugar Beets. Very productive and desirable for stock of all kinds. **Ounce, 10 cents; ¼ lb., 25 cts.; lb., 75 cts.**

Vilmorin's Red-Top Sugar. Matures earlier tban other varieties of Sugar Beet, and yields as good percentage of sugar. A heavy cropper, largely grown for cattle feeding. **Ounce, 10 cents; ¼ lb., 20 cents; lb. 60 cents.**

FOLIAGE BEETS—Swiss Chard

Used for Leaves and Leaf-Stalks only

The Swiss Chard is cultivated exclusively for the leaves, which may be cooked like Spinach. Seed may be sown in April or May, in drills eighteen inches apart and an inch and a half deep. Thin the plants to ten or twelve inches apart and cultivate the same as for the common Red Beet.

Beck's Improved Sea Kale. A variety of Beet with tender leaves, popular for cooking as "greens;" if sown at the same time as the garden Beet it will be fit for greens much earlier. The middle of the leaf is cooked and served like Asparagus; the other portions are used like Spinach. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 80 cents.**

Large-Ribbed Scarlet Brazilian. Stems and veins a beautiful crimson color; fine for garnishing. **Packet, 5 cents; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cents.**

Large-Ribbed Yellow Brazilian. Same as above, except in color, which is golden yellow. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Large-Ribbed Silver. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

We pay the postage or express charges on all goods listed in this catalogue, unless otherwise noted. Most other seedsmen ask you to pay these charges.

CABBAGE

EARLY Cabbage is a most important crop for the gardener and trucker, while each year late varieties become more valuable to the man who has a small farm, producing a maximum income with a minimum of labor and expense. Realizing the importance of providing only the best varieties, we have given special attention to our stock of Cabbage seed, and we know that no varieties listed by any seed firm are more dependable in every way than ours. Plant the large varieties three feet apart; the small, early sorts, eighteen inches to two feet; setting the plants down to the first leaf. One ounce of seed will yield about 3,500 plants. If Cabbages are troubled by insects, use Vick's Insect Exterminator—see page 93.

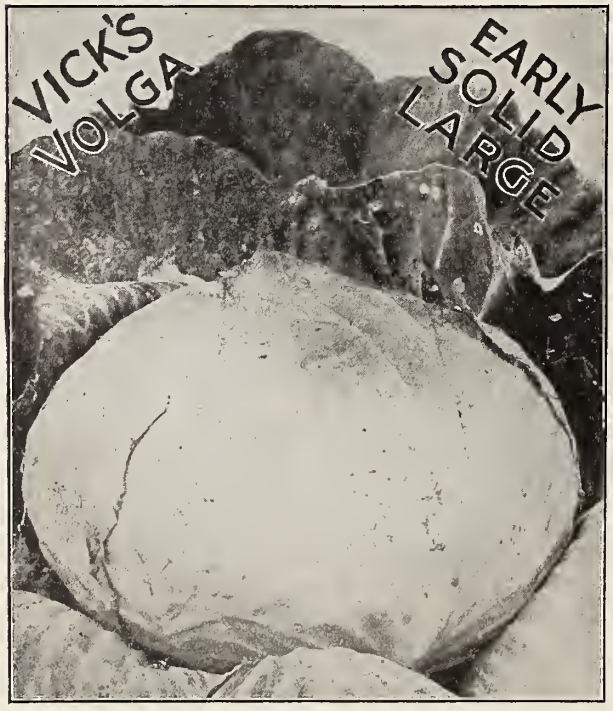
Selected Early Jersey Wakefield

A Leading Early Variety. Popular for the Private garden, and a Money-Maker for the Market-Man.

Our stock of this standard Cabbage is grown and selected with the greatest care, and can be relied upon both for vitality of seed and trueness to type. The heads are conical in shape, solid, and compact; the outer leaves are thick and heavy, which makes the Jersey Wakefield the best for wintering over and for very early setting. **Packet, 5 cents; oz., 25 cents; lb., $2.50.**

Charleston, or Large Wakefield. A strain of Wakefield in which the heads are decidedly larger and not so pointed, and about a week later. **Packet, 5 cents; oz., 25 cents; lb., $2.50.**

Early Winnigstadt. A distinct second early sort, and one of the best for general cultivation. Being very hardy, it is therefore less subject to wet or drouth, insects or disease. A sure-heading variety, giving entirely satisfactory crops. The heads are uniform in size, conical in shape, and very solid. It is valuable for early use, and on account of its solidity, and short, thick leaves, it makes also a good winter Cabbage. **Packet, 5 cents; oz., 20 cents; lb., $2.00.**



You won't have to carry a book of instruction to the garden if you use Vick's Seeds—complete cultural directions are printed on every packet—and the directions as well as the seeds are reliable

SELECTED EARLY JERSEY WAKEFIELD

20th Century

Earliest of all Cabbage. For Garden use unexcelled

This variety, introduced by ourselves in 1900, came to us from Denmark, the home of the famous Danish Ballhead Winter Cabbage, and is without exception the earliest Cabbage yet introduced. In the 20th Century we have the round shape like All Seasons and others, which is the preferable form. The heads are medium sized, and solid as a cannon ball. It grows more compactly than either Wakefield or Winnigstadt. **Packet, 10 cents; oz., 40 cents; lb., $5.00.**

Allhead Early

Deep Flat heads. Very uniform in size and color

The earliest of all extra large Cabbages. The leaves are compact, so will stand close planting A good keeper, desirable for both early fall or winter. **Packet, 5 cents, oz., 20 cents; lb., $2.00.**

Volga. We consider this the most profitable Cabbage we have ever grown for a fall crop. The heads are extremely solid, large round as a ball, of uniform size, and do not crack; few outer leaves and a short stem. Not only have we tested it on our trial farm, and found it in all respects an exponent of Vick Quality, but multitudes of growers proclaim its superiority. **Packet, 10 cents; oz., 40 cents; ¼ lb., $1.10; lb., $3.50.**

35 Tecumseh Ave., London, Ont., Canada.

Messrs. James Vick's Sons,

Dear Sirs:—Your Volga Cabbage is certainly the best I have grown and I am sending for a supply of seed for next season in case your stock runs out. The Volga is a beauty and my friend Able Steele, Ferguson, Ont., told me today that the Volga is the best cabbage he has ever grown and he has grown them for forty years.

Yours sincerely,

F. N. HILL.

CABBAGE, IMPROVED AMERICAN SAVOY

Improved Early Summer. Matures about ten days later than the Jersey Wakefield. It is a large-heading variety, nearly round, somewhat flattened, solid and uniform in size, and will keep longer without bursting than most of the early sorts. Packet, 5 cents; oz., 20 cents; lb., $2.00.

All Seasons A very superior, sure-heading, long-keeping sort, unsurpassed by any other. The heads are large, nearly round, somewhat flattened, very solid, and in quality the best. Packet, 5 cents; oz., 25 cents; lb., $2.50.

Autumn King or World Beater. Grows to an enormous size, making heads as solid as a rock, and coming uniformly true to type. It can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, having few outer leaves. Packet, 5 cents; oz., 20 cents; lb., $2.00.

Hollander. A selection from the Danish Ballhead. The growing of the seed in this country has changed the type to a large flat head and shorter stem. It is preferred by some on account of its size. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; lb., $3.00.

Selected Premium Late Flat Dutch. No introduction is necessary for this old, reliable, and popular Cabbage. It produces large, solid heads of superior quality, keeping in best condition for a long time. Packet, 5 cents; oz., 30 cents; lb., $3.00.

Vick's Improved Danish Ballhead

Heads Hard, Solid, Tender and Crisp. The Leading Late Sort

No Cabbage of late introduction has attained such great popularity, or given such general satisfaction as Vick's Improved Danish Ballhead. It commands a higher price in the market than any other variety. It is remarkable for the solidity of its heads and long-keeping qualities. The heads are of medium size, with few outer leaves, admitting of close planting; exceedingly fine-grained, hardiest of all, tender, crisp, solid, with no waste heart. Will average six pounds per head. Do not be deceived by substitutes. There is only one Improved Danish Ballhead Cabbage, and this we import direct from our original grower in Denmark. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; lb., $3.00.

Vick's Short-Stemmed Early Danish Ballhead.

A choice strain selected from the famous Danish Ballhead Cabbage, that has become one of the best and most popular sorts both for home and market growing. The heads are very large; as round as balls and as solid as bullets. The interior leaves are pure white, crisp and tender. On account of their solidity, cabbages of this variety will outweigh those of any other variety of the same size. It is short-stemmed and as strong and vigorous as any other American variety. Fully two weeks earlier, and will keep and ship as well as Danish Ballhead. Packet, 5 cents; ¼ oz., 10 cents; oz., 35 cents; ¼ lb., $1.00; lb., $3.50.

The Danish Ballheads are particularly adapted to the Northern States, and do not reach perfection in the warmer southern climates.

Louisville Drumhead. A variety grown largely by market gardeners in the Southwest. It stands hot weather better than most other sorts, and is a sure cropper. Packet, 5 cents; oz., 30 cents; lb., $3.00.

Improved American Savoy. Decidedly the peer of all Savoy Cabbages, either for market or kitchen garden, and a reliable header. The heads are large, solid, and possess a fine delicate flavor. The curled and crimpled leaves are of a dark rich green color. Packet, 5 cents; oz., 20 cents; lb., $2.00.

Mammoth Rock Red. This is by far the best, largest, and most reliable heading red Cabbage ever introduced. The head is large, round, very solid, and of a deep red color. Packet, 5 cents; oz., 20 cents; lb., $2.00.

A NEW RED CABBAGE

Stonehead (Round Red). A new variety of Red Cabbage, full of good qualities. Hard almost as a rock. Rich dark red, large round heads, measuring eight inches in diameter, uniform in size. Fine quality, keeps well through the winter. Short-stemmed, and compact in growth. The growers of Denmark have introduced a number of standard varieties in the past few years. The Stonehead being one of the best. Packet, 10 cents; ¼ oz., 20 cents; ounce; 50 cents; ¼ lb., $1.50; pound, $5.00.

COPENHAGEN MARKET

THE BEST OF ALL EARLY CABBAGE

IT'S THE BEST EARLY, WHY?

Because, more solid than other sorts. Sure to head. Grows more to acre. Short stemmed and uniform in size.

It is with pleasure and confidence that we offer this new early Cabbage, knowing it will give perfect satisfaction wherever grown, both as to quality and yield. Everyone familiar with the Cabbage knows the old and popular Danish Ballhead, the best of all the late Cabbages. This new, extra early variety, ripening with Charleston Wakefield, originated in the same country, Denmark, and is as good in its class as the old favorite. The stem is short, the head round and solid, averaging in weight from nine to ten pounds. The leaves small, compact, close to the head so it will stand closer planting than most other varieties. The inside is fine grained, tender, pure white and compact. Either for the home garden or market it is bound to become a leader. Packet, 10 cents; ¼ oz., 30 cents; ounce, $1.00; ¼ lb., $2.25; lb., $8.00.

OTHER STANDARD VARIETIES OF CABBAGE.

Early Blood Red. Early Spring Surehead
Fottler's Improved Brunswick.
Improved Succession Large Late Drumhead.

Packet, 5 cents; ounce, 20 cents; pound, $2.00.

COLLARDS

This is a variety of Cabbage largely grown in the South, where it is extensively used for both table and stock. It forms a large, loose, open head or mass of leaves. Freezing does not injure it. Sow seeds in the South from January to May, and August to September.

True Georgia. Packet, 5 cents; oz., 10 cents; lb., $1.00.

We have had good success with all the seed and plants that we got from you. Our Alfalfa Clover is fine and the Strawberry Plants look fine too Hope to have a good crop next summer.

P. O. Box 81 *MRS. M. E. KIRSCHNER, St. Petersburg, Pa.*

CARROTS For the Home and Market Garden

FOR garden culture, sow in drills sixteen to eighteen inches apart covering the seed half an inch to an inch deep. For field culture, sow in drills from twenty to thirty inches apart, and when plants are one to two inches high thin out from three to eight inches apart in the rows, according to the variety. One ounce will sow 100 feet of drill; three to four pounds to an acre.

Earliest French Forcing. The earliest of all varieties, and especially adapted for cultivation under glass, both on account of its earliness and the shortness and small size of its roots. It is also one of the best sorts for the table; delicate, fine-grained, and remarkably fine-flavored. It is also used by gardeners for bunching for early market. Root orange-red. Top very small. **Packet, 5 cents; ounce, 20 cents; ¼ pound, 65 cents; pound, $2.25.**

Early Scarlet Horn. This is a favorite for early crop, but not large; sold extensively in all markets bunched. The tops are small; roots top-shaped, stump-rooted, therefore easily pulled. Grows well in shallow soil. **Packet, 5 cents: ounce, 20 cents; ¼ pound, 65 cents; pound, $2.15.**

Half-long Nantes Stump-rooted. Of medium size, admirably adapted for bunching, and one of the best for summer use for the home garden. Roots about six inches long, very smooth and cylindrical, with no core; very sweet and tender. **Packet, 5 cents; ounce, 25 cents; ¼ pound, 70 cents; pound; $2.35.**

Chantenay Stump-rooted. One of the best early Carrots in cultivation. In shape it is midway between the Half-Long Nantes Stump-Rooted and the Guerande or Oxheart varieties, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Its color is orange-red; the flesh crisp and tender. Very early and a heavy cropper. A Carrot which market gardeners should plant for their main early crop. **Packet, 5 cents; ounce, 20 cents; ¼ pound, 65 cents; pound, $2.15.**

Guerande or Oxheart. This variety has given great satisfaction. While not attaining one-half the length of many other varieties, it will compare favorably in bulk of crop, as on good land it will produce Carrots four to six inches in diameter. The crop can be pulled by hand. Excellent for table use, as well as for stock. Truly a market gardener's favorite. It is also one of the best for summer use for the home garden. Roots are about six inches long, smooth and cylindrical; no core; sweet and tender. **Packet, 5 cents; ounce, 25 cents; ¼ pound, 70 cents; pound, $2.35.**

Danvers Half-Long Orange. A first-class variety; flesh dark orange. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, and tender. A great favorite with market gardeners; also valuable for a field crop, owing to its productiveness. **Packet, 5 cents; ounce, 20 cents; ¼ pound, 65 cents; pound, $2.25.**

St. Valery Intermediate. One of the best and handsomest main-crop Carrots. The roots are symmetrical, tapering regularly from the shoulder to tip, smooth, and free from side roots. The core is small and tender. Enormously productive. Very desirable for private gardens, as well as for market. **Packet, 5 cents; ounce, 20 cents; ¼ pound, 65 cents; pound, $2.15.**

Improved Long Orange. The old standard and popular variety. It grows to a large size, some specimens measuring twelve inches in length. Enormous crops can be grown under fair culture. One of the best varieties for feeding stock. **Packet, 5 cents; ounce; 20 cents; ¼ pound, 65 cents; pound, $2.15.**

Improved Short White (Vosges). For a field Carrot this is unexcelled. The roots are short, very heavy at the shoulder, tapering to a point, and therefore easily harvested. Especially suited to shallow soils. Enormously productive. **Packet, 5 cents; ounce, 20 cents; ¼ pound, 65 cents; pound, $2.15.**

Belgian Carrots. The great stock-feeding Carrots of Europe. Roots grow to a large size; partly above ground. Very productive. Orange Belgian, White Belgian. **Packet, 5 cents, ounce, 20 cents; ¼ pound, 65 cents; pound, $2.15.**

CARROT, GUERANDE OR OXHEART

The Farmer and the Market Gardener, as well as the man with a small home garden, will find Vick Quality Seeds reliable, true to name, and sure to produce abundantly. They are grown under the best conditions, cared for by experts, and the fields are carefully "rogued"

CARROT, CHANTENAY STUMP-ROOTED
Illustration Natural Size

CIVES OR CHIVES

These are very hardy perennial plants, belonging to the Onion family. They are grown exclusively for their tops, which are used for giving a mild onion-like flavor to soups, stews, etc. Planted in clumps in any good garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring, and can be cut throughout the season. **Roots, per bunch, 25 cents, by mail, prepaid.**

CORN SALAD—Fetticus

A favorite salad plant in Europe, used in winter and spring as a substitute for Lettuce. The leaves are sometimes boiled and served as Spinach. It is hardy and quick-growing. Sown in August and September, in drills one foot apart, and protected with a few leaves or straw during winter, it can be gathered very early in spring. Sown in April it is soon fit for use. The soil for Corn Salad should be very rich. Sow two ounces to 100 feet of drill. **Packet, 5 cents; oz., 10 cents; lb., 60 cents.**

CELERY

CELERY, PARIS GOLDEN DWARF SELF-BLANCHING

Celery seed is slow to germinate, and when early plants are wanted it should be sown in a hotbed in February or March, barely covering the seed. When the plants are large enough, transplant into coldframes, one and a half inches apart; water and attend carefully; keep the temperature moderate; and when the weather is suitable, from middle of May till June, transplant into the open ground. For main crop, sow in shallow drills in the open ground, as soon as the soil can be worked. See that the bed is kept well watered. Rolling or pressing in the seed will give more satisfactory results than merely covering it. When the plants are two inches high, thin out to three inches apart in the rows; and when four inches high, cut off the tops to make the plants stocky. The best time to plant is that which will bring the plants to maturity during the cool, moist weather—in this locality from the middle of June to early in July. Never hoe or earth up in moist weather, nor when the plant are wet with dew, as it would cause serious injury. One ounce of seed will produce 4,000 to 5,000 plants.

Paris Golden Dwarf Self-Blanching

No Celery offered to the American people approaches this variety in quality, flavor, color or habit of growth.

Paris Golden Dwarf Self-Blanching forms a solid stalk, tender and crisp; the delicate cream-yellow color makes it attractive when offered for sale as well as inviting when on the table. The flavor is of the best—rich and nutty. In habit of growth it is dwarf, stocky, uniform in height, and very compact. This variety originated in France and our seed is grown by the originator, who ships it directly to us; it is absolutely reliable in every respect. Our special gardener's strain, packet, 10 cents; oz., $1.00.

Rose-Ribbed Paris Self-Blanching. This magnificent sort comes to us from the originator, the grower of our market garden strain of Golden Self-Blanching, and resembles in general character that most valuable variety. The stalks are large, thick, and beautiful, tinted with rose color at the base, while the upper part of the stems, particularly the *hearts*, are a deep, rich yellow. Packet, 10 cents; oz., 75 cents;

Pink Plume. The red Celeries are of very fine quality, possessing a peculiarly rich nutty flavor. This variety possesses all these good qualities, while its delicate pink color gives it a handsome appearance. Packet, 10 cts. oz., 75 cts.

White Plume. A variety especially adapted to cultivation by amateurs as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. By tying up the stalks and drawing up the soil with the hoe, the work of blanching is complete; tender, crisp, and of good flavor. Packet, 10 cents; oz., 75 cents.

Giant Pascal. This is a selection from the Golden Self-Blanching Celery. The stalks are very large, thick, solid, and crisp. It has a fine nutty flavor, and is free from any trace of bitterness. It blanches with but slight earthing up, retains its freshness a long time after being marketed. Packet, 10 cents; oz., 75 cents.

Improved Golden Heart. A selection from the old favorite Golden Heart Celery. Grown extensively for private use as well as for market. Improved Golden Heart is one of the finest late varieties, the outer stems being a clear white, while the heart is a rich golden yellow. The flavor is rich and nutty—so much desired by connoisseurs. You can grow just as nice Celery in your garden as any professional gardener. Packet, 5 cents; oz., 20 cents; lb., $2.25.

Turnip-Rooted (Celeriac) Large Smooth Prague. An improved form of the Turnip-rooted Celery. Roots large, round and smooth, and free from side roots; a profitable variety for market gardeners. Sow seed same as Celery, transplant into rows two feet apart and about six to eight inches in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. Packet, 5 cents; oz., 75 cents.

OTHER STANDARD VARIETIES OF CELERY.

Perfection Heartwell, Boston Market,
Giant White Solid,

Packet, 5 cents; oz., 75 cents.

Seeds for flavoring. Excellent. Ounce, 10 cents; lb., 40 cents.

At prices quoted in this Catalogue we will prepay the Postage or Express Charges, unless otherwise noted.

SWEET CORN

Sweet Corn should not be planted very early in the season for it will not make any progress until the weather is warm, and the seed will be very apt to rot. Plant in hills, three feet apart for the earliest varieties, and three and a half to four feet for the late ones. One quart will plant 200 hills; 8 to 10 quarts for an acre in hills, For a succession use Cory, Vick's Golden Nugget, Stowell's Evergreen and Country Gentleman.

Vick's Golden Nugget

The Most Popular Sweet Corn we have ever sold. Ripens only a few days after the White Cory.

Vick's Golden Nugget was introduced in 1892 and was received with great enthusiasm by our customers. During all these years it has been grown side by side with many other varieties and in every case it has widened its circle of friends.

Vick's Golden Nugget produces from two to four ears to a stalk The ears are large, from one and a half to two inches in diameter, and fully seven inches long. There are twelve rows of plump, tender, sweet and milky kernels.

Vick's Golden Nugget is particularly attractive when cooked, showing a rich creamy color—and it tastes just as good as it looks, far excelling any other variety in quality and flavor.

Vick's Golden Nugget is grown on our own farm, cultivated with the idea of producing the very best corn obtainable; the seed is carefully cured and you may be sure it is right. You are not absolutely sure of getting Vick's Golden Nugget Sweet Corn unless you buy it of James Vick's Sons.

Packet, 10 cents; half pint, 20 cents; pint, 30 cents: quart, 50 cents.

First Early Varieties

Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart 40 cents; except as noted.

Vick's Earliest of All. This is in *fact* the "earliest of all." Very excellent, tender, and sweet. To market gardeners this variety is of great value, as the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Also desirable for home garden.

Mammoth White Cory. An excellent sort but little later than Earliest of All. In fact our selection of seed stock and careful growing of this strain make it the largest and best extra early in our list. The stalks are large, while each stalk bears two or more large, fine-shaped ears, twelve-rowed; remarkable for its good quality for so early a sort. All gardeners who cater to the best trade should plant this variety.

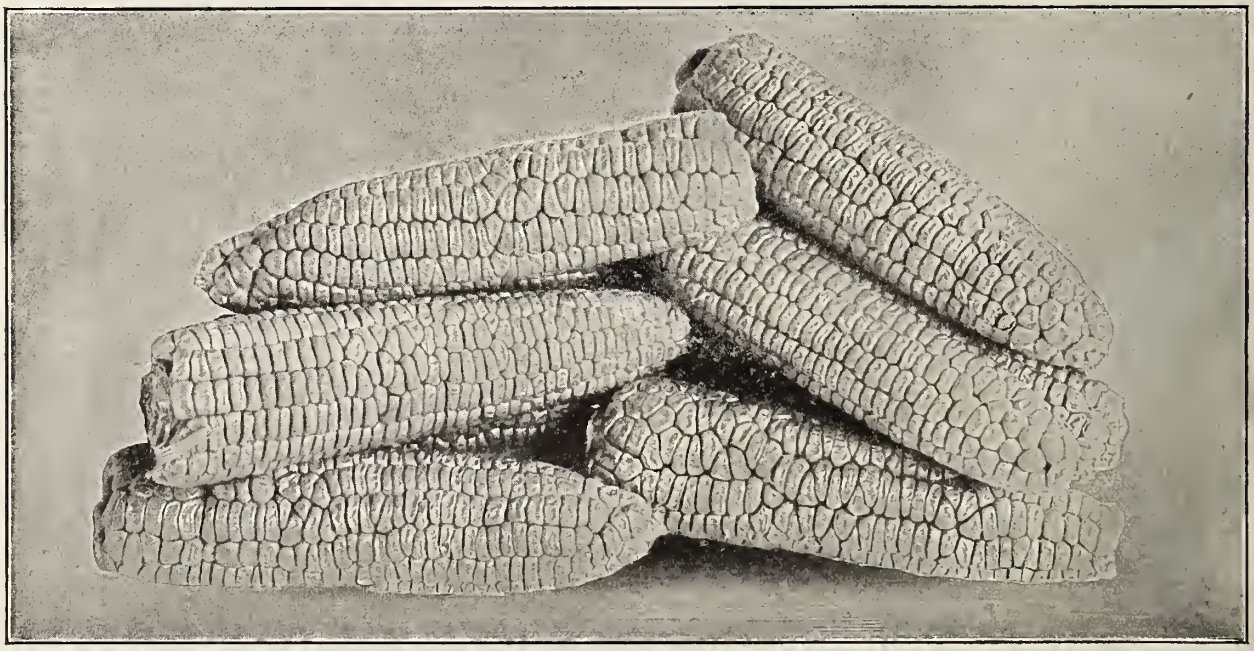
Metropolitan. A favorite, considered by many as superior to other early sorts. The plant grows five to six feet in height; the ears average nine inches long, are 10 to 12 rowed, well filled out, and set low on the stalk; the kernels are exceedingly white in color. Sweet and tender.

Early Minnesota. An old and popular dwarf variety. Ears fine, of good sweet quality. Desirable for both the market and private garden.

Hiawatha A new variety of unusual merit. Early, productive and quality of unsurpassed sweetness. From five to six feet tall; ears seven to eight inches in length, and fourteen to sixteen rows of tender, juicy kernels. It is a desirable variety for either the home garden or the market gardener.

Extra Early Golden Bantam The Golden Bantam is early, very hardy and will stand planting earlier in the season than other varieties. It grows about four feet high, bearing one or two medium sized ears of a rich, golden, yellow color. When cooked is exceedingly sweet and tender. Next to Vick's Golden Nugget it is the ideal corn for the home garden. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 50 cents.**

Crosby's Early. Remarkably early and of best flavor. Ears medium size; twelve-rowed; sweet and thick. Largely grown for canning.



Twelve Ears Golden Nugget, awarded 1st prize at our $1000,00 Cash Premium Exhibit New York State Fair, Sept. 1911. Grown by Henry R. Mollet, Marathon, N. Y.

Kendel's Early Giant. This variety is one of the *largest early Sweet Corns*. It comes in soon after the Cory. Ears eight to ten inches long, 12 to 18 rowed, filled well to the tip with broad, white, sweet kernels of excellent flavor. Stalks short, bearing one to two ears. Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents.

Medium and Second Early Varieties

Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted.

Perry's Hybrid Sugar. A very popular and a remarkably long-eared sort for one so early. Ears ready for use a few days later than Early Cory and Minnesota, but double the size of either. Ears twelve rowed; kernels large, tender, and deliciously sweet. Stalks of great vigor, about six feet high, with two perfect ears to the stalk.

Early Evergreen. This fine variety is ten to twelve days earlier than Stowell's, and though it is not quite as tall, it yields large, handsome, ten or twelve-rowed ears.

Early Mammoth. The earliest, sweetest, and largest of the mammoth sweet varieties. Probably no other Sweet Corn will yield as much fodder, and for this reason it is extensively planted, to be fed green or dry.

Potter's Excelsior (Squantum). A well-known sort, extensively grown for market and canning purposes; also used throughout New England in their famous clambakes. It is remarkably sweet, and wonderfully productive.

Stowell's Evergreen. For many years this variety has stood at the head of the list of late Sweet Corn, and it bids fair to hold the position for years to come. For main late crop, for the family garden, for the market grower and canner, it is unexcelled. Stalks strong, bearing two 12-rowed ears with large, sweet kernels. Remains in good condition for some time after gathering, thus continuing the season after frosts.

Black Mexican. The ripe grain of this novel variety is black or bluish black, but when in condition for the table looks remarkably white. This is considered the sweetest and most tender of any variety of Sweet Corn.

Country Gentleman. A delicious Corn for family use. The ears are good-sized and produced in great abundance. Its long, small, milky kernels are full of sweetness; the cob is small, and the corn white and tender; it is sure to please. It is somewhat later than Stowell's Evergreen.

Mammoth Late Sugar. Green ears of this variety have been exhibited weighing from two to three pounds. The sweetest and largest of all the mammoth sweet sorts. Valuable on account of its yield of stalks for fodder.

FIELD CORN

A ton of well cured corn fodder is worth, if well used, the price of a ton of hay. Eight to ten quarts per acre in hills; one bushel in drills; two bushels if sown broadcast, are required per acre.

Please add cost of bags when ordering. ¼ bu., 8 cents; ½ bu. 10 cents; 1 bu., 12 cents; 2 bu., 22 cents.

Genesee Valley. A yellow, eight-rowed Flint variety, originated through the crossing of the popular Longfellow with a choice local stock. The cob is white, twelve to fifteen inches in length, and very slender. The grain is a golden yellow, large, and compactly set, covering both butt and tip. It is an exceedingly early, hardy, and productive variety, yielding on good land from eighty to 100 bushels of shelled corn per acre. It is easy to husk, and the stalks make good fodder. We make a specialty of this variety, growing and selecting it on our farm. Quart, 30 cents; peck, 60 cents; bush., $2.00.

Early Sanford. An early white flint variety; equally valuable for ensilage or grinding. Quart, 30 cents; peck, 60 cents; bushel, $2.00.

Vick's Early Red Glazed.

This Flint variety in length of ear and size of cob resembles our famous Genesee Valley Corn, but the color is like King Philip Corn, a deep red with a yellow shading on the top of the kernel. The ears are eight rowed, average ten inches long, and weigh about half a pound each. The cob is very small for a Flint corn and well filled with large solid kernels. We consider that this is a high grade Flint corn—one that will prove highly satisfactory to all who prefer red to yellow corn.

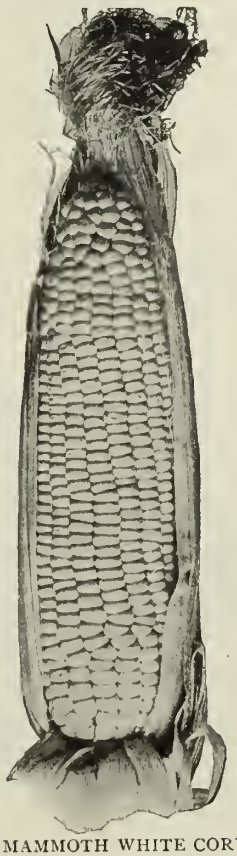
Quart, 30 cents, postpaid. Peck, 60 cents; bushel, $2.00; express or freight not paid.

Drought-Proof Yellow Dent.

As its name implies will stand more hot, dry weather than any other variety and produce large crops. While it is desirable for all localities where Dent Corn is grown it is doubly valuable for extreme warm climates. It is of strong growth, maturing in from 90 to 100 days. Ears large, unusually small cob, bright golden kernals. Try it and be convinced. Quart, 30 cents; peck, 60 cents; bushel, $2.00.

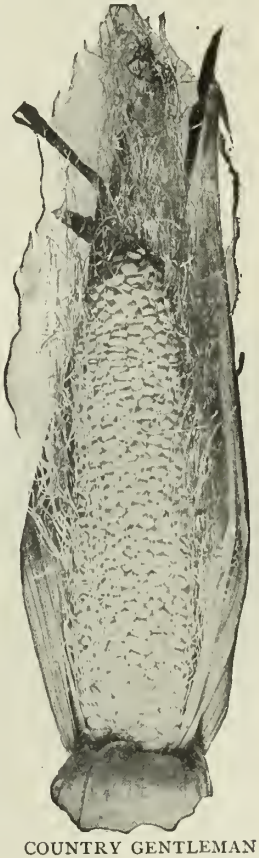
Iowa Gold Mine.

(Following is the description of the introducers of this valuable Dent Corn): It is early, ripening in 95 days. Can be planted in the Northern Corn belt and compete successfully both in yield and maturity against Corn from locally grown seed. Ears are not extra large, but good size and symmetrical, color, bright golden yellow. Grain is very deep, cob small, and therefore dries out very quickly. Quart, 30 cents; peck, 60 cents; bushel, $2.00.



MAMMOTH WHITE CORY

You won't have to carry a book of instructions to the garden if you use Vick's Seeds—complete cultural directions are printed on every packet—and the directions as well as the seeds are reliable



COUNTRY GENTLEMAN

MARSHALL, MICH.

Gentlemen:—It may interest you to know that from Vick's Earliest of all corn planted in my garden May 25, I picked today, July 25, good roasting ears. Yours truly, CHARLES HURD.

GENEVA, PENNA.

All seeds I have purchased of you have been strictly up-to-date and all that was claimed for them. I hope to send in more orders in the future. Yours respectfully, HOMER O. MCENTIRE.

Vick's Early Wonder White Dent.

Every good farmer knows that the Dent corns are more valuable for feeding than the Flint sorts. The Dent sorts contain more protein, and therefore are more desirable for feeding stock. One difficulty has been that most varieties are too late for the extreme north, but

Vick's New "Early Wonder White" Dent

Overcomes this great objection. In 95 days from planting we have harvested an enormous crop of pure white ears that measured from seven to nine inches long. Early Wonder White Dent will grow on poorer soils than yellow corns and give a good stand of strong plants. It combines the hardiness of the flint corns with the yielding qualities of the Dents, which fact makes it a profitable variety for either market or feeding purposes. Early Wonder White Dent Shells easily and quickly, and as the cob is filled to the tip with fourteen rows of large kernels, it provides a large quantity of shelled corn per ear. Of all the famous Dent varieties this is easily a leader. One man writes; "I have never seen a poor crop." This is the first time it has been listed in any retail catalogue; although the sales last year were nearly five thousand bushels of shelled corn. If you want a sturdy, early, productive and easily sold Dent corn you must plant Early Wonder White Dent. Grown on our farm in the vicinity of Rochester the past summer, it matured early, yielding the largest crop we have ever grown. **Quart, 40 cents, postpaid. Peck, 75 cents; bushel, $2.50; bag of two bushels, $4.50; freight or express not paid.**

Pride of the North. A sixteen-rowed Yellow Dent variety. Ears eight to ten inches in length; cob very small and red, with grain above medium size and closely set. It produces an enormous quantity of shelled corn to the amount of cob. Stalks six to eight feet, and frequently bearing two ears. An exceedingly early and prolific variety. **Quart, 30 cents, Peck, 55 cents; bushel, $1.75;**

Improved Leaming. Similar to above in every respect, but about two weeks later in maturing. A very desirable variety for fodder. **Quart, 30 cents, postageaid. Peck, 55 cents; bushel, $1.75.**

Champion White Pearl. Early, thoroughbred White Dent. Ears average sixteen rows, with very small cob; ripens in 90 to 100 days from time of planting. Very productive, yielding fully as well as the Yellow Dent sorts. **Quart, 30 cents, postage paid. Peck, 55 cents; bushel, $1.75.**

Early Mastodon. An improved Yellow Dent, large yield, large grains and early ripening. It has the largest number of rows on a cob, and the largest grains of any Corn ever originated; brings a high price in the market, of medium height, grows rapidly, and ripens in 100 days. From 170 to 200 bushels per acre have been produced as far north as latitude 42° 30'. **Quart, 30 cents, postage paid. Peck, 55 cents; bushel, $1.75.**

Golden Beauty. This grand Dent variety is of vigorous growth and immensely productive on rich soil. The ears are of perfect form, remarkable in size, filled to the tip with ten to fourteen rows of remarkably large bright golden grains. Cob very small for so large an ear. Ripens in from 110 to 120 days. Stalks ten to twelve feet in height, with abundant foliage. **Quart, 30 cents, postage paid. Peck, 35 cents; bushel, $2.00.**

Improved Early Sheeptooth. (Fodder Corn). Earlier and better adapted for fodder and ensilage in the Northern States than the ordinary Southern Sheeptooth. The stalks are twelve to fourteen feet in height, and enormously productive. This improved sort is generally superseding all known varieties for ensilage purposes. **Peck, 40 cents; bushel, $1.40.**

Sweet Fodder. There is nothing better for green feed, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of rich milk. It is also excellent for soiling. Sow in drills, one and one-half bushels per acre; or broadcast double the quantity. **Peck, 55 cents; bushel, $1.75.**

POPCORN

Shelled corn, packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents.

White Rice. The most popular for general use.

Queen's Golden. Pops creamy white.

Silver Lace. The best white-grained variety.

CHICORY

Sow Chicory seed as early in the spring as the ground can be worked, in drills half an inch deep and fifteen inches apart, and in mellow soil. The after-culture is the same as for Carrots. In the autumn the plants will be ready for blanching, when it is used as a salad. The dried roots are used as a substitute for and an adulterant of coffee. One ounce is sufficient for 100 feet of drill.

Large-Rooted Long Magdeburg. **Packet, 5 cents; oz., 10 cents; lb., $1.00.**

VICK'S EARLY WONDER WHITE DENT

VICK'S IDEAL CAULIFLOWER

CAULIFLOWER

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March, in a hotbed, and when plants are three or four inches high transplant four inches apart in boxes or frames. In the middle of spring, or as soon as the gardener deems it prudent, the plants can be removed to the open ground. Set plants from two to two and a half feet apart each way. For late Cauliflower sow seed in a cool, moist place, in this latitude about the first of May. One ounce will produce about 3,500 plants.

Vick's Ideal Unquestionably the leading variety for market and private use, *For reliability of heading and size and solidity of heads*, it is superior to any other variety. It is sure to head, even under unfavorable circumstances, and will attain to enormous size under ordinary cultivation. **Packet, 30 cents; ¼ oz., $1.75; oz., $5.00.** These prices are *net*, from which no discount or on which no premium will be allowed.

Vick's Danish Giant "Dry Weather" Its main feature is the fact that it will stand an unusual amount of dry or warm weather and still produce perfect, large solid heads. In districts where heretofore it has been impossible to grow Cauliflower, this fine variety has proven a success. It is ready for market or table about a week later than Extra Early Erfurt. **Packet, 25 cents; ¼ oz., $1.00; oz., $3.50.**

Early Snowball. Next to our Ideal we can recommend the Snowball as one of the earliest and surest heading varieties. Its dwarf habit and short outer leaves allow it to be planted very close—eighteen to twenty inches apart. It is well adapted for forcing under glass throughout the winter and spring. It gives a pure snow-white, medium-sized head. **Packet, 15 cents; ¼ ounce, 75 cents; oz., $2.50.**

Erfurt Earliest Dwarf. This variety will stand the test with any extra early sort. It is very dwarf in habit, producing pure white heads of great solidity and finest quality; quite desirable for forcing or for planting in open ground. For a general all-round market garden variety we can highly recommend the Erfurt strain. **Packet, 15 cents; ¼ oz., 75 cents; oz., $2.50.**

Early Paris, or Nonpareil. This is a wellknown standard French variety, producing very early, good-sized, pure white heads, which are tender and delicious. **Packet, 10 cts.; ½ oz. 40 cts.; oz., 75 cts.; ¼ lb. $2.50.**

Veitch's Autumn Giant. A distinct and valuable late variety, producing large heads, pure white, firm, and compact; and being thoroughly protected by the foliage, remains a long time fit for use. A desirable variety for the South. **Packet, 5 cents; oz., 40 cents; ¼ lb., $1.25.**

Large Late Algiers. One of the best late sorts, grown largely for fall use. It is a sure header, and endures uninjured a freeze that would materially affect other sorts. **Packet, 10 cents; oz., 75 cents; ¼ lb., $2.00.**

CRESS—Peppergrass

Cress should be sown in a hotbed or in a sheltered spot in the garden, quite thick, in shallow drills, and in a short time it will be fit for cutting. It gives a pungent relish to Lettuce, and other salad plants. A fresh lot should be sown every week, as it matures very rapidly and is useful only when young.

Packet, 5 cents; oz., 15 cents; lb., 75 cents; except where noted.

Fine Curled. Superior; will bear cutting several times.

Broad-Leaved Garden. Sometimes used for soups.

Australian. Leaves delicate green; flavor mild and fine.

Water. Does well in mucky situations, but better on the edge of streams, in shallow water. It needs no after-care. **Packet, 10 cents; oz., 30 cents; lb., $3.00.**

DANDELION

Sow as early in spring as the weather will permit, in well-enriched soil, in rows eighteen inches apart, covering the seed one-fourth of an inch deep. Thin the plants to twelve inches apart. Keep clear of weeds, and the following spring the leaves will be fit to cut. One ounce is sufficient for 100 feet of drill.

Improved Thick-Leaved. Leaves thicker than Arlington and not so finely curled. **Packet, 10 cents; oz., 50 cents.**

Common. **Packet, 5 cents; oz., 25 cents.**

HORSE RADISH

Horse Radish is grown from pieces of the roots. Mark off rows two and a half feet apart, in rich, moist, well prepared ground; set the pieces of roots eighteen inches apart in the rows, the small end down, and the top, one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep the weeds down.

Roots, 3 for 10 cents; per doz. 25 cents, postpaid. By freight or express at purchaser's expense, 75 cents per 100.

Twelve Cucumbers

We have tested these dozen varieties on our trial grounds with many others; we have had the opinion of customers, and we believe they are far ahead of others for Home and Market Gardens

IN this latitude it is useless to plant in open ground until nearly the first of June. Make hills two feet in diameter and about six feet apart, and enrich them with well-rotted manure. Plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. One ounce for fifty hills; two pounds per acre when planted in hills.

Packet, 5 cents; ounce, 10 cents; ¼ pound, 35 cents; pound, $1.25; except as noted.

Vick's Early Perfection White Spine

Unrivaled in Quality Form and Productiveness. The best variety for table or Pickling.

VICK'S EARLY PERFECTION WHITE SPINE

It excels in earliness, and is one of the best for either the home garden or forcing; also extensively grown for pickles. This most valuable strain is grown from stock seed, produced on our own farm, our selections being made from the choicest and most perfect fruits only. **Packet 10 cts.; oz. 20 cts.; lb., $1.50.**

Vick's Improved Early White Spine

Very popular in all sections of the country. Flesh tender and crisp; uniform in size, straight and dark green with few white spines.

Cool and Crisp. A strain of the White Spine, but longer and more cylindrical. Very early and exceedingly prolific. While it is esteemed most highly as a pickling sort, it is one of the very best for slicing, being tender, crisp, and of fine flavor.

Chicago or Westerfield Pickling. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early Cucumber, and is much esteemed by Chicago market gardeners, and grown extensively for the large pickling establishments in that vicinity.

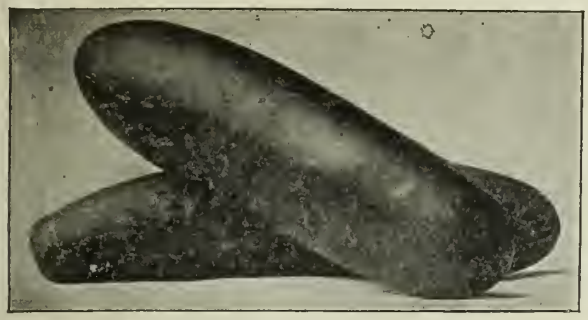
Green Prolific or Boston Pickling. A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.

The Howard

A handsome and very productive forcing variety, making fruit of the finest quality and shape, with exceedingly small seed cavity. It is also an extra fine open ground variety, combining the good qualities of Improved Long Green with the fine shape and color of the White Spine; in fact it is a cross between these two excellent varieties, and is used for forcing by our Rochester market gardeners, on account of its earliness, size, and rich dark green color. **Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., $1.25.**

Early Frame or Short Green. An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green, flesh tender and crisp, and makes fine pickles.

Thorburn's Everbearing. Small size, very early, and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of fine quality. Invariably of perfect form, even when small. **Packet, 5 cents; oz., 15 cents; lb., $1.25.**



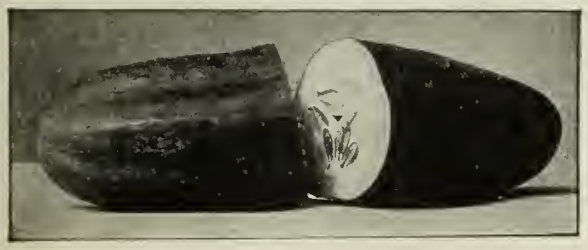
IMPROVED LONG GREEN CUCUMBER

CUCUMBERS—Continued

Improved Long Green. A well-known standard variety about twelve inches in length, of most excellent quality, and when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Our strain of this valuable sort is unsurpassed by any, being carefully selected from the best fruits.

Early Green Cluster. A short pale green variety. Fruit borne in clusters near the root; rather prickly; containing few seeds. A productive sort, and very satisfactory for pickles.

Early Russian. Earliest and hardiest small Cucumber in cultivation being only three to four inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.



COOL AND CRISP CUCUMBER

Vick's Lemon Cucumber

A Novelty of Merit Tried and True

The Lemon Cucumber is nearly round, with yellow and green markings and smooth skin similar to the Lemon. The flesh is tender, crisp, and possesses a sweetness and flavor surpassing all other Cucumbers. The fruits are from two and a half to three inches in diameter, and very attractive in appearance. For pickling, either when green or ripe, they are unexcelled. They should be used for the table just as the fruits are turning yellow. Customers who grow the Lemon Cucumber say they prefer it for quality and productiveness to any other variety.

Packet, 10 cents; ounce, 25 cents.

Foreign Cucumbers

Used chiefly by Market Gardeners

Japanese Climbing. A strong and vigorous grower; and while all Cucumbers are running or creeping vines, this variety attains nearly twice the length of ordinary sorts, and can be grown on trellises, fences, or poles. The fruit is from ten to twelve inches in length and of excellent quality either for slicing or pickling. **Packet, 10 cents; oz., 20 cents; lb., $2.00.**

Rollison's Telegraph. The very best of all imported sorts; twenty-six to thirty inches long. **Packet, 25 cents.**

Noa's Forcing. Mos. productive sort; thirty to thirty-six inches long. **Packet, 25 cents.**

VICK'S LEMON CUCUMBER

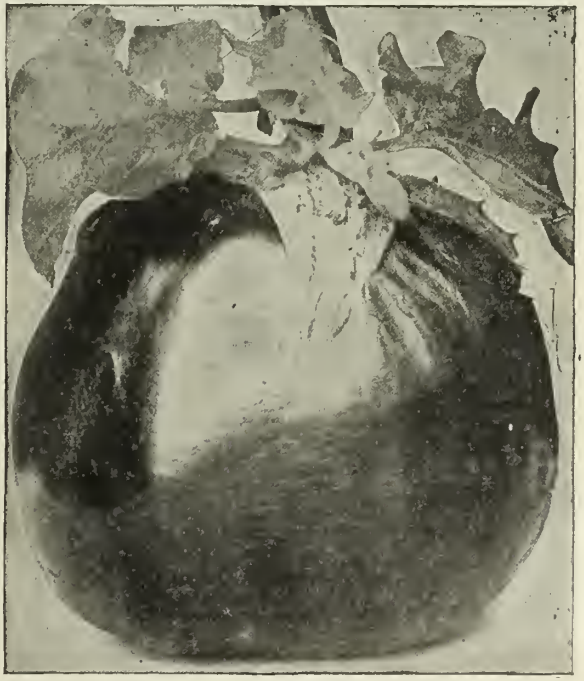
EGG PLANT

Those who have no hotbeds can sow a few seeds in boxes in the house where a temperature of 75° can be maintained. Plant out early in June two and a half feet apart. One ounce will produce about 1,500 plants.

Black Beauty. A distinct new Egg Plant of most remarkable merit. The fruit is quite as large as Improved N. Y. Purple, and from ten days to two weeks earlier than that variety. It is very attractive in appearance, and of excellent flavor. **Packet, 10 cents; ½ oz., 25 cents; oz., 40 cents; ¼ lb., $1.10; lb., $4.00.**

Improved New York Purple, Spineless. The standard for home use and market. Fruit very large, productive, and of the highest quality. **Packet, 10 cts.; ½ oz., 25 cents; oz., 40 cents; ¼ lb., $1.25; lb., $4.00.**

Early Long Purple. Eight or nine inches long. One of the earliest and very productive. **Packet, 5 cents; oz., 20 cents; lb., $2.00.**



EGG PLANT, IMPROVED NEW YORK PURPLE SPINELESS

LETTUCE

This photograph shows a field of BIG BOSTON LETTUCE grown from our Seed by N. J. GOULD, Albion, N. Y.

READ WHAT HE THINKS OF IT

"Having grown Big Boston Lettuce for the Eastern markets a number of years I feel I must say a word or two in reference to the quality of your strain of Big Boston Lettuce Seed. It is the best we have ever had in this section where many acres are devoted to lettuce growing."

SOW in the open ground as early as possible, barely covering the seed. If the hotbed is used, let it be started quite early. Give but little heat and plenty of water and air on fine days. Let plants in the bed be about four inches apart. As they increase in size thin them out, or they will become weak. One-half ounce will sow 100 feet of drill.

Packets, 5 cents; oz., 15 cents; ¼ oz., 35 cents; lb., $1.25, unless otherwise noted.

Cabbage or Heading Varieties

BIG BOSTON — Vick's Special Selected Strain

The outer leaves are a rich green, crisp and tender, and the center of the head a beautiful butter-yellow and white, very fine grained, and packed as close as a cabbage. **Big Boston** is more extensively used for market than any other variety, many acres being grown in the vicinity of Rochester alone. Plants are sure headers, and stand a long time before seeding. The seed we offer is saved from selected and perfect plants only. **Packet, 10 cents; ounce, 25 cents; ¼ lb., 40 cents; lb., $1.50.**

Vick's Premium Cabbage. An old favorite, excellent for all uses and seasons. Heads well; remaining in good condition without going to seed for a long time. Heads medium to large. Color bright green.

Vick's Royal. A fine variety, largely used in the Paris markets The seed we offer comes direct from the originator It produces a medium-sized head of a beautiful golden color, crisp and tender. **Packet, 5 cents; oz., 20 cents; ¼ lb., 40 cents; lb, $1.50.**

The Keene. Originated near Rochester, and is used extensively by our market gardeners for forcing under glass and for early spring planting out-of-doors The color is a rich, bright green It forms good sized heads very quickly, and for this reason can be marketed weeks before the Boston Forcing and other popular market sorts. It is extremely hardy, and does not burn, nor blight in any way. We are pleased to offer this excellent variety, knowing that it will give perfect satisfaction wherever grown. **Packet, 10 cents; oz., 30 cents; ¼ lb., 60 cents; lb., $2.00.**

Cooper. Named after one of Rochester's leading market gardeners. It is sown in the fall and the young plants covered with stable litter just before the first hard freeze In the spring the covering is removed. It soon forms large compact heads, *even better* than the hot-house grown. This variety is equally as good for spring and summer sowing. **Packet, 10 cts.; oz., 25 cents; ¼ lb., 40 cents; lb., $1.50.**

Crisp as Ice. A splendid and distinct Cabbage Lettuce, well adapted for family and home market use The heads are of large size, handsome shape, and solid When cut open they have a rich creamy yellow heart, and are so tender and brittle as to warrantthe name, **"Crisp as Ice."** The leaves are thick and glossy, handsomely crimped and curled, the outside variegated with dark bronze and green

Golden Queen. A fine early head Lettuce, and one of the best sorts for early outdoor planting as well as for growing under glass. The color is a beautiful golden yellow. The heads are so solid that there is no waste whatever, and really contain more substance than many varieties showing double the size. **Packet, 5 cts., oz., 20 cts.; ¼ lb., 40 cts.; lb., $1.50.**

Imperial White Cabbage

A splendid variety; excellent for family use and market. It is one of the very best for growing out-of-doors, as it withstands summer heat well, and remains a long time in the head Heads large and extremely solid, of a light green color; very crisp, tender, and of first rate quality. In our estimation it is the best summer lettuce in cultivation. It is shipped to eastern markets in large quantites.

Cabbage or Heading Varieties *Continued*

Packet, 5 cents; oz., 15 cents; ¼ lb., 35 cents; lb., $1.25; unless otherwise noted.

Tennis Ball, or Boston Market. A well known forcing variety. One of the earliest and best heading sorts.

Improved Hanson. A standard summer Lettuce; none more reliable for out-door cultivation. The heads grow to a remarkable size, and are very solid. The outer leaves are a bright green, while the inner head presents a white appearance, as though blanched; tender and crisp, and free from any unpleasant bitter taste. It is slow seed, and is an ideal Summer Lettuce.

May King. A new variety highly recommended. Medium-sized round solid heads, light green in color, as plants develop turn to a rich golden yellow; fine buttery flavor. Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.50.

Salamander or Satisfaction. Forms large, solid, compact heads, resisting summer heat and remaining long in head. Leaves smooth, thick, and very tender; the inner head blanching almost white. An excellent spring, summer, or fall variety. Invaluable in the Southern States.

Curled or Loose-Leaf Varieties

Grand Rapids Forcing. There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as other sorts. Large, beautiful leaves, very crisp and tender. Frequently a house full of this Lettuce will average one half pound to a plant.

Black-Seeded Simpson. The most popular sort of all the non-heading varieties. One of the best for use under glass as well as for early outdoor planting. The plants form large, loose heads; outer leaves a light, yellowish green, with inner leaves blanched almost white. Resists the heat and remains long in a good edible condition.

Early Curled Simpson (Silesia). Forms a close compact mass of leaves that are large and broad, crimped and blistered, and light green in color. Not desirable for forcing with bottom heat. It is however recommended for planting in cold frames, and extensively grown in the open.

Prize Head. Is very large; stained with red; outer leaves curled; very crisp and tender; slow in running to seed.

Cos or Romaine Lettuce

Paris White Cos. The Cos Lettuces are quite distinct, and are popular on account of their tender crisp leaves and delicious flavor. The leaves are long and narrow, and need to be tied up, when they soon form solid heads, and bleach snow white.

OTHER STANDARD VARIETIES OF LETTUCE

Deacon. Denver Market.

ENDIVE

Endive is an excellent autumn and winter salad. Sow seed late in the spring or even as late as July, in shallow drills, fifteen inches apart, and when plants are strong, thin out to about a foot apart. To blanch, gather up the outer leaves over the center of the plant, and tie them together at their tips. Sow one ounce to 100 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., $1.25.

Moss Curled. Foliage very dense and beautifully fringed.

Green Curled. The hardiest variety. Leaves dark green, finely cut; easily blanched to a fine white.

White Curled. Foliage somewhat coarser than the Green Curled, moderately dense, pale green.

Broad-Leaved Batavian. Leaves broad, thick, somewhat wrinkled.

MAY KING

See following page for Vick's Famous **Irondequoit Muskmelon** Highly recommended by the Edenholme Melon Garden, of Longmeadow, Mass.

PARIS WHITE COS LETTUCE

KOHL RABI

Kohl Rabi is sown for general crop in the spring, like the Turnip, in drills; or may he transplanted like Cabbage. For winter table use, sow middle of June. Gather when small and tender, as later it becomes tough and stringy. The stem, just above the surface of the ground, swells into a bulb something like a Turnip. One ounce will sow 200 feet of drill.

Early White Vienna. Delicate; much prized for forcing. Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., $2.00.

Early Purple Vienna. Another forcing variety, similar to above except in color. Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., $2.00.

Large Early White or Green. Used for feeding stock. Packet, 5 cents; oz., 20 cents; lb., $1.50.

LEEK

The Leek is a mild onion-like plant. It is prized for soups, and is thought to be superior to the Onion for this purpose. Sow early in April, in drills, covering the seed half an inch deep. When the plants are about the size of a quill, transplant to a deep rich soil, in rows one foot apart, and five inches apart in the row, setting the roots deep, so that the neck may be covered and blanched.

Broad Flag. An old favorite. Large, hardy, and productive. Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.25.

Musselburg. The largest variety. Hardy. Flavor very mild. Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.25.

MUSHROOMS

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50° to 60°. From old pastures procure the soil, and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say three feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed eight inches thick. It will soon become pretty hot, but let the heat recede until it is only 85° or 90°. Then make holes, say a foot apart, and put in a piece of the spawn about as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover it with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, covering with hay as before. One Brick of spawn is enough for a bed 3x3 feet.

"New Culture" Spawn. Positively fresh, dure virgin spawn, taken directly from heavy, meaty mushrooms. Bricks, 30 cents each, postpaid, Five bricks, $1.00, by express, charges on prepaid.

English Spawn. Bricks, 25 cents each, postpaid. Eight bricks, $1.00, by express, charges not paid.

For books on Mushroom growing see page 39.

MUSKMELONS

can be successfully grown in a much larger territory than the watermelon. They do not require so long a season for maturing their fruit as does the later, and therefore can be planted in more northern latitudes. Neither do they require the warm, sandy soil of the Watermelon. They can be grown in colder and heavier soils with but little manuring, which should be placed in each hill. The hills should be six feet apart. Do not plant until the ground has become warm and dry. One ounce will plant fifty hills. Two pounds are sufficient fot an acre, when planted in hills.

Packets, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.25, except as noted.

SMALL VARIETIES

Rocky Ford. This is the most popular of the small Melons being extensively grown and shipped in car-loads for the markets. It is one of the finest early Melons, and one of the best for market gardeners and shippers as well as for the home garden. It is oval in shape, slightly ribbed, and covered with a coarse netting. The flesh is thick, green in color, very sweet and juicy, and solid clear to the rind.

Emerald Gem. The fruit of this really pretty Melon is small to medium, globular in form, flattened at the blossom and stem ends; skin smooth and slightly ribbed. It shows a rich emerald green color with narrow stripes of light green in the ribs. Flesh very thick, ripening close to the rind, of a deep rich, salmon color, deliciously flavored and of superior quality. The fruit should be picked as soon as it will separate readily from the vine, and kept in a cool place until needed. If left on the vine the skin becomes yellow, and the flesh soft and tasteless.

Paul Rose or Petosky. This sort has given perfect satisfaction to all growers, both for market and home garden. It is a cross between the Osage and the Netted Gem, combining the sweetness of the former with the fine gray netting of the latter, making it a handsome Melon. The flesh is thick and firm, a deep salmon or orange color; most delicious and appetizing.

Jenny Lind. This is one of the oldest varieties of Muskmelon. The fruit is small and round, flat on both ends, deeply lobed, and finely netted. The flesh is green and luscious. It comes into market first of all.

MEDIUM-SIZED VARIETIES

Vick's Prolific Nutmeg. The vines are hardy and vigorous. Fruit medium size, round, slightly flattened at both ends, ribbed, with distinct netting; flesh green, thick, solid, and of delicious, spicy flavor.

Osage, or Miller's Cream. A remarkably fine variety, and a very profitable sort for market gardeners. It is of medium size, oval in form, dark green in color, handsomely netted, and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color, highly flavored and delicious to the rind. Cavity very small. Good keeper and shipper.

LARGE VARIETIES

Extra Early Hackensack. This is a very popular sort, producing large, handsome, and extra early Melons of best quality. Fruit nearly round, deeply ribbed, and very coarsely netted. The flesh is green, of most delicious flavor. **Packet, 5 cents; oz., 15 cents; ¼ lb., 45 cents; lb., $1.50.**

Montreal Nutmeg. Fruit of the largest size, often attaining a weight of fifteen to twenty pounds. Shape nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor. **Packet, 5 cents; oz., 15 cents; ¼ lb., 45 cents; lb., $1.50.**

OTHER STANDARD VARIETIES OF MUSKMELON

Champion Market **Large Hackensack** **Surprise**

Vick's Irondequoit

Seed of this Famous Variety is grown on our own Farm, or under our personal Supervision.

It's the Best

The flesh is a beautiful dark orange; the skin is finely netted, yellow when ripe, giving it a most attractive appearance when exposed for sale or cut for the table. The fruit is unusually large, delicious in flavor—sweet, rich, and spicy—and in every way superior to any melon offered by any other seedsman in America. The seed we offer is true to type in all respects, grown under our personal supervision, the fruits cut and the seed cleaned by our own men, and we know it is of the very highest grade. You need have no fear about growing melons from this stock. The Irondequoit Muskmelon holds the Rochester market to the practical exclusion of all other varieties.

Most varieties of melons have a tendency to succeed in one locality and poorly in another, the Irondequoit has a faculty of producing large well developed Melons of a superior quality wherever grown. It is the Melon for all. We consider it one of our best introductions.

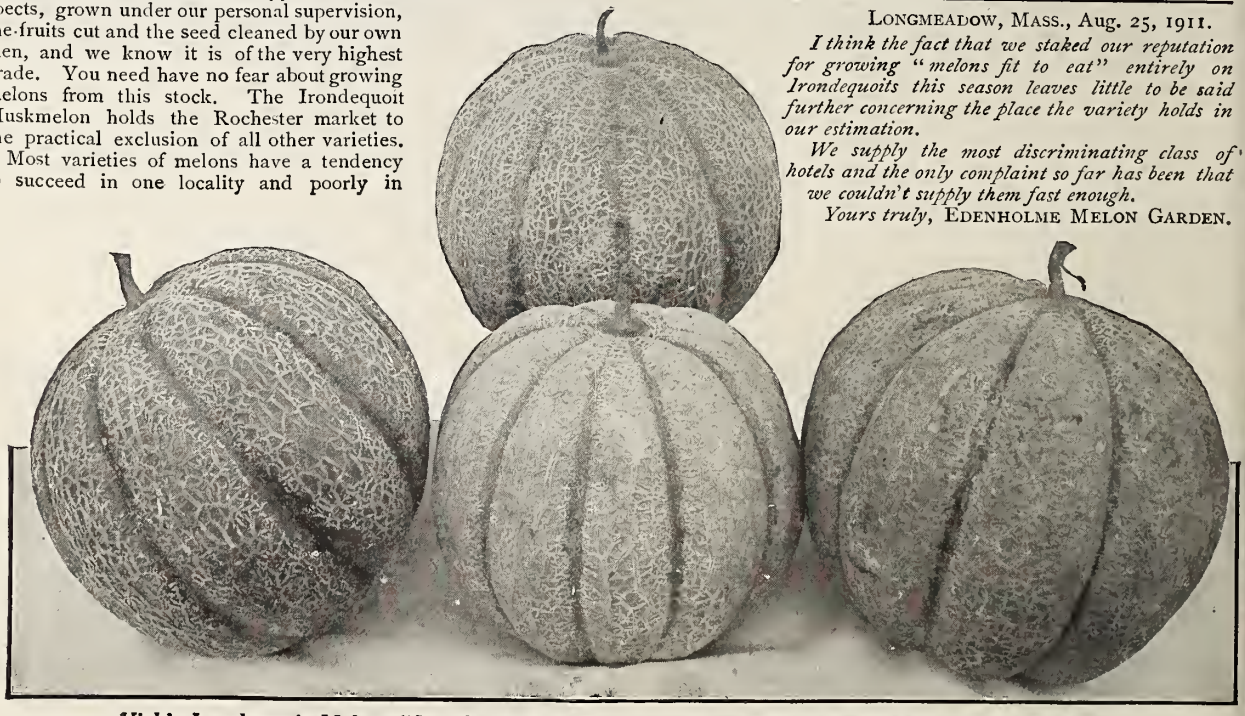
Packet, 10 cents; ½ oz., 30 cents; oz., 50 cents; ¼ lb. $2.00; pound $7.50.

LONGMEADOW, MASS., Aug. 25, 1911.

I think the fact that we staked our reputation for growing "melons fit to eat" entirely on Irondequoits this season leaves little to be said further concerning the place the variety holds in our estimation.

We supply the most discriminating class of hotels and the only complaint so far has been that we couldn't supply them fast enough.

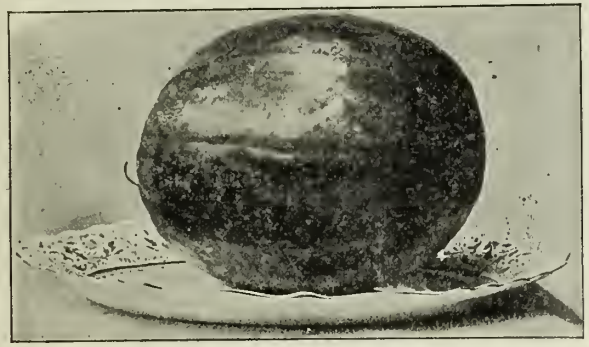
Yours truly, EDENHOLME MELON GARDEN.



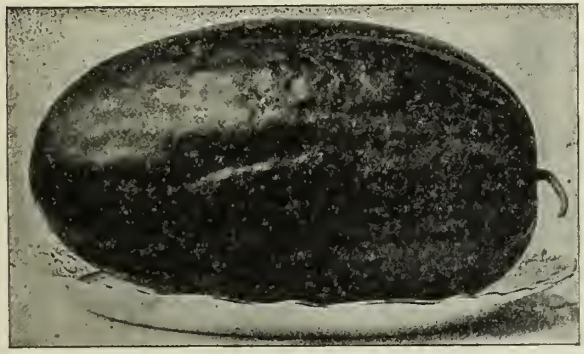
Vick's Irondequoit Melon, "It's the Best." See letter from Edenholme Garden, on this page.

WATERMELON

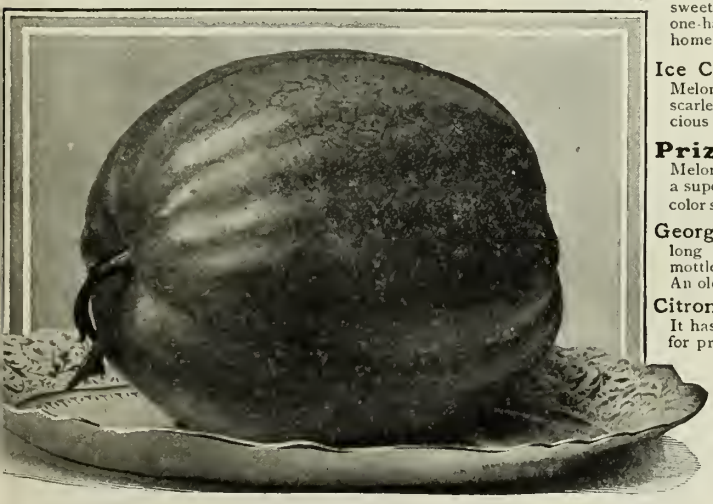
Plant in hills eight or ten feet apart. The same culture as recommended for Cucumbers will insure success. One ounce of seed will plant thirty hills, and four pounds an acre, with hills eight to ten feet apart. Allow three or four plants to remain in each hill.



COLE'S EARLY—THE AMATEUR GROWER'S FAVORITE.



KLECKLEY SWEETS—A HOME GARDEN MELON



SWEET HEART—AN EARLY MELON FOR THE HOME GARDEN

Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., $1.00; except as noted.

Sweet Heart *One of the very best early varieties for the home* garden, of the largest size, nearly globular in shape; skin a bright, beautiful, mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy, but crisp, melting, and exceedingly sweet. A good keeper, and improves in quality for a long time after ripening. Vine vigorous and productive, ripening its fruit early.

Cole's Early *This is one of the earliest and best Watermelons* for the amateur and for the home market. It is not only the earliest variety in cultivation, but continues to bear enormously throughout the season. The fruit is nearly round; rind thin and brittle, hence not desirable for shipping; flesh deep red and of extremely delicate texture, sweet, juicy, and delicious.

Florida Favorite. An excellent variety of large size. Shape oblong; skin mottled with alternate dark and light green stripes; rind thin but firm; flesh bright crimson, very crisp, and deliciously sweet. Ripens ten days earlier than Kolb's Gem or Mammoth Ironclad.

McIvor's Wonderful Sugar. This is of Southern origin, and is one of the very best Melons in cultivation. It excels in both beauty and lusciousness, being exceedingly sweet and juicy. The Melons attain great weight and size; oblong in shape, the rind showing broad stripes of light and dark green. The flesh is a rosy pink, perfectly solid, crisp, and of delicious flavor.

Dixie. A decidedly popular Melon. A cross between Kolb's Gem and the old reliable Mountain Sweet. It surpasses Kolb's Gem as a long-distance shipping Melon, while it fully equals the Mountain Sweet in its excellent flavor, and is ten to twelve days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy.

Vick's Early *A melon prized for the Home garden or market* Oblong in shape, smooth, with a very dark skin, rather small in size; flesh bright pink, solid, and sweet. Vines strong, bearing freely, thus making it a desirable variety for the home gardener, and the man who grows melons for the market.

Kleckley Sweets *Considered the finest-flavored* Melons grown. The fruit is oblong in form, eighteen to twenty inches long, and ten to twelve inches in diameter; skin dark green; flesh bright red, extremely sweet, melting, and luscious. Ripens close to the rind, which is only about one-half inch in thickness. Not a shipper, but highly recommended for the home market and family garden.

Ice Cream or Peerless. The old but extremely popular home market Melon. Medium in size, almost round; the skin a pale green; flesh bright scarlet, fine-grained, solid to the center, sweet, crisp, and melting. Its delicious flavor entitles it to the name of **Peerless.**

Prize Jumbo. Immense in size. The common weight of this Melon is sixty to eighty pounds. The rind is hard and firm, which makes it a superior variety for long-distance shipping. In shape it is nearly round; color solid dark green; flesh deep red and of fine quality.

Georgia Rattlesnake. One of the largest varieties, and stands shipment long distances. Fruit of good size, oblong in form, distinctly striped and mottled light and dark green; flesh bright scarlet and of excellent quality. An old and very popular sort.

Citron for Preserves. This variety grows uniformly round and smooth. It has a handsomely striped and marbled skin of light green. Used only for preserves and pickles; and not for eating in the raw state. Very prolific.

OTHER VARIETIES OF WATERMELON

Which we can supply at the uniform price of; Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.

Black Diamond, Fordhook Early, Cuban Queen.

ONION SEED

ONIONS must have a clean and very rich soil, as it is useless to attempt to grow them on poor ground. A liberal use of manure is more essential to these than any other crop. Sow in drills not less than a foot apart nor more than half an inch deep, keeping the soil mellow and clear of weeds. One ounce will sow 100 feet of drill, or five pounds per acre.

Vick's Own Selected Strain Danvers Yellow Globe

Successful onion growers use this strain in preference to all others. The seed is *Northern grown*, therefore adapted to growing in any section or climate. This variety is the standard in the eastern markets both for local use and shipping. It produces bulbs of usable size early in the season, so that it is a profitable variety all summer. The globe shape and the brownish-yellow skin make it attractive in appearance at all times. It is extremely hard and solid variety, the bulbs averaging fully six inches in circumference; the flesh is pure white, crisp and tender, while the flavor is sweet and mild, is a sure cropper, which fact combined with its other characteristics makes it one of the best and most popular sorts for both home and market use.

Packet, 5 cents; oz., 20 cents; ¼ lb., 40 cents; lb., $1.25; 5 lbs., $6.00.

Albion, N. Y.

The Danvers Yellow Globe Onion Seed purchased of you in the spring of 1911 yielded me a large crop of fine Globe Shape onions of uniform size. Am highly pleased with your strain. Was awarded first prize at our Orleans County Fair for best onions. A. W. SHORT.

Round Yellow Danvers. Shape round, flattened at the ends. Earlier than the Globe sort. Does well on moist ground. **Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., $2.00.**

Southport Yellow Globe. It is entirely distinct from the Danvers type, being somewhat more pointed at each end. The flesh is white and mild in flavor. It is quite productive and a good keeper. These onions always command a high price in the markets. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $2.00.**

Mammoth Prize Taker. Genuine seed of this variety produces handsome, large, Yellow Globe Onions. We have the seed specially grown for us Our *American Grown Seed* produces bulbs enormous in size, and the yield per acre is larger than that of any other variety. While not so good a keeper as our Yellow Danvers, it is a valuable sort for immediate or early fall use. The skin is of a rich yellow straw-color; flesh white, sweet, mild, and tender. **Packet, 5 cts.; oz., 20 cts.; ¼ lb., 50 cts.; lb., $1.75.**

Large Yellow Dutch or Strasburg. This variety is one of the old standard sorts. It is flat, white-fleshed, fine grained and mild. It is exceedingly productive and a good keeper. A popular sort for growing sets, the product being a round, bright, smooth set. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $1.90.!**

Australian Brown. Distinct from all other Onions; uniform in size and shape; wonderfully hard and solid, and will keep almost indefinitely. Ripens extremely early. It is of medium size, round, with skin of a deep amber-brown; flesh mild and agreeable. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $2.00.**

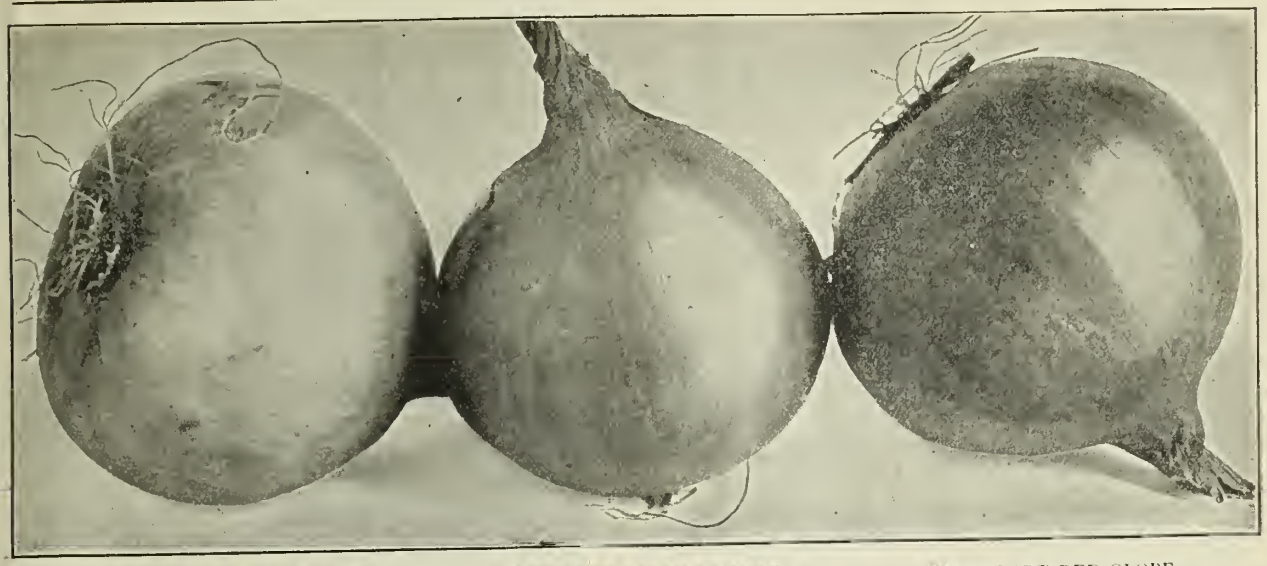
Extra Early Flat Red. The earliest of the red sorts, coming into use from ten days to two weeks earlier than the Red Wethersfield. It is adapted to cold, damp, mucky soils, where other varieties fail to produce large-sized Onions. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $2.00.**

CHANGE IN PRICES

Vick's Own Selected Strain Danvers Yellow Globe Onion.

We are obliged to change our prices on Vick's Selected Strain Yellow Globe Danvers Onion, because of shortage in crop deliveries. We are sure that the following prices are very reasonable, considering the quality of the stock and the prevailing seed conditions: **Packet 5 cents; ounce, 20 cents; 1-4 pound, 50 cents; 1 pound, $1.60; 5 pounds, $7.50.** Postage or express prepaid.

VICK'S STRAIN OF DANVERS YELLOW GLOBE ONION, GROWN ON THE FARM OF A. W. SHORT, ALBION, N. Y.



SOUTHPORT WHITE GLOBE SOUTHPORT YELLOW GLOBE SOUTHPORT RED GLOBE

Ailsa Craig

Flavor Mild. Size Immense. Solid and Heavy

For home use as well as exhibition purposes, Ailsa Craig combines all the necessary qualities for the ideal Onion. The skin is pale yellow, flesh snow-white, delicious in flavor, in fact, equal in every respect to the popular Spanish onions. While attaining an immense size, from one and one-half to two and one-half pounds at maturity, it is solid to the core, one of the most desirable points in large varieties. Another year's experience with Ailsa Craig Onion convinces us that its good qualities have not been over-estimated, and that one who enjoys the Spanish onions will be greatly pleased with this variety. P[illegible] to plant at least a packet in your garden this spring; more if you have room. **Packet, sufficient to sow 25 feet, 10 cts., ½ oz., 25 cts.; oz., 40 cts.; ¼ lb., $1.25; lb., $4.00.**

Large Red Wethersfield

The standard red, and, owing to its productiveness, the most profitable for the market gardener. Form somewhat flattened, skin a deep purplish red, flesh purplish white. The best variety for poor or dry soils. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $1.90.**

Southport Large Red Globe. Our strain is unsurpassed; it is used for growing the exceedingly fine large bulbs seen in the New York markets. Its beautiful form makes it extremely desirable. It produces large crops on favorable soils, and is a good keeper. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $2.00.**

Southport White Globe

Handsome, large-sized, globular in form. Skin and flesh a pure white. To succeed in producing good pure white Onions, the crop should be pulled just as the stalks begin to fall down, and then allow them to dry off in the open air, keeping them free from rain or dew, which would cause discoloration of the bulbs. **Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., $2.50.**

White Portugal or American Silver Skin. A large flat white Onion of exceedingly mild flavor. It is a popular sort, and when young excellent for bunching or for pickles. It is also especially adapted for growing sets. **Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., $2.50.**

EGYPTIAN OR TOP ONION SETS (Perennial)

The young sets of these are produced on top of the stalks. As they cannot be kept out of ground over winter they must be planted in the fall; therefore, orders for them should be given in the spring for delivery next autumn. When once set out, they will come up year after year as soon as frost is over. They need no protection, grow rapidly, and are very productive, sweet and tender. **Quart, 30 cents; peck, 75 cents; bushel, $2.50.**

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.

ITALIAN ONIONS

The flavor of the Italian sorts is mild and well adapted for all culinary purposes. Seed should be sown thicker than that of the American sorts.

Mammoth White Garganus or Silver King. This is mammoth in size, the largest onion in cultivation. The bulbs are very attractive in form, fine-shaped, flattened but thick, with a silvery white skin. The flesh is snow-white, fine-grained, exceedingly mild, and of pleasant flavor. It matures quite early. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $2.00.**

Large White Flat Italian Tripoli. A handsome, large, pure snow-white, flat Onion, mild and of excellent flavor. If seed is sown early in hot-bed and transplanted, they grow to a large size. **Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., $1.75.**

Large Blood Red Italian Tripoli. Same as preceding, except in color, which is a bright dark red. Used in the South when the Bermuda sorts cannot be had. **Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., $1.75.**

Giant Rocca of Naples. A very large-growing, globe-shaped variety The skin is reddish brown in color; flesh very mild and sweet-flavored. **Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., $1.75.**

White Queen or Extra Early Barletta. This is an extra early, very small, round, hard, and handsome variety The color is a beautiful waxy white; flavor mild and delicate. It is the Onion used in all famous pickle factories in our own country. A favorite for the home garden, as bulbs grown from seed will mature as early as those raised from the ordinary Onion sets. The best variety for pickling. **Packet, 5 cents; oz., 20 cents; ¼ lb., 60 cents; lb., $2.00.**

White Bermuda (Teneriffe grown). The Bermudas are the earliest Onions in the market, and are grown extensively in the South. Outer skin straw color, flesh pure white. **Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., $3.25.**

Red Bermuda. Similar to the white, but with red skin. **Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., $2.50.**

ONION SETS

Onion sets should be planted as early as the ground is in condition to work in rows 12 to 15 inches apart, with sets two inches apart in the rows Green Onions for bunching come in very early, while the crop of large bulbs matures very much earlier than if planted from seed.

True English Multipliers or Potato Onion. Quart, 30 cents; peck, $1.25; bushel, $4.00.

Yellow Bottom Sets. Quart, 30 cents; peck, $1.25; bushel, $4.00.

White Bottom Sets. Quart, 30 cents; peck, $1.50; bushel, $4.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.

Garden Peas

SOW Peas in drills about four inches deep. The drills must not be nearer than two feet, except for the lowest sorts. Those growing three feet high or more should not be nearer than three or four feet, and should have brush for their support. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pint will sow forty feet of drill; two bushels for an acre, in drills three feet apart. Our customers often write us enquiring the names of the three best Garden Peas, Early, Medium and Late. While all those in our list are good in their class, we name three which in our opinion are equal if not superior to other sorts; First Early, *Thomas Laxton*, plant as early as weather conditions will permit. Medium, *Vick's Daisy;* Late, *Improved Stratagem;* plant the Medium and Late varieties about one week later than the Early.

Extra Early Varieties

The Thomas Laxton

The Leader of the Extra Earlies

This Pea outranks all other extra early wrinkled varieties in hardiness and productiveness. It has all the delicious sweetness of the Gradus and comes into use fully as early as any of the "Extra Earlies." In addition, it is of stronger constitution than the Gradus, is hardier, and therefore can be planted earlier. It is more prolific, the yield of peas to the quantity of pods gathered being quite phenomenal. The pods are large and shapely, of a rich dark green color, and filled from end to end with seven or eight very large white-seeded, wrinkled sugar peas, the flavor of which is unsurpassed by any other Pea in cultivation. Vines are strong and hardy and from three to three and one-half feet high. **Packet, 10 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Alaska. A smooth blue Pea, the earliest of all the extra early varieties; good flavor; pods dark green, well filled and ripen uniformly. One of the very best for market gardeners. Vines two and one-half feet high. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.**

Vick's Selected Extra Early The earliest of the early white Peas; unsurpassed either for market or family use; of excellent quality; unusually productive for so early a variety. Vines two and one-half feet high. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

Gradus (Prosperity). As an extra early Pea, the Gradus, being a sugar Pea, is far superior to all smooth varieties, not only in its delicious quality, but also in the long pods. While the early smooth varieties contain four or five peas to the pod, the Gradus usually contains from eight to twelve. **Packet, 10 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Surprise. One of the earliest wrinkled Peas in the market. Vines grow about two feet high, are vigorous and need no bushing; pods well filled, containing about six or seven peas, which are exceedingly tender, sweet, and fine flavored. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

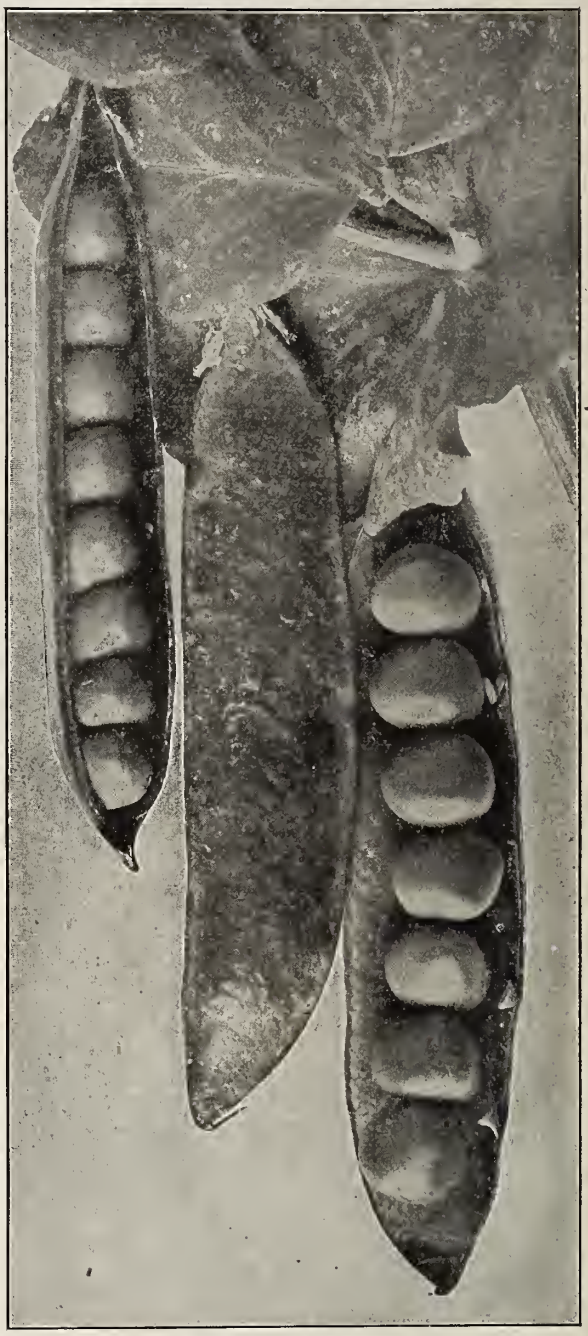
Little Marvel

An English variety that has come to stay, in fact, it is conceded by those who have grown it, to be the best dwarf extra early on the market. When better known it will superceed all other dwarf early sorts. Its strong point is its tendency to bear large crops, its high quality. It is fully as early as American Wonder or Nott's Excelsior, vines dwarf, growing about fifteen inches in height, heavily set with pods two and one-half to three inches in length filled with six to seven large, dark green peas. **Packet, 15 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Nott's Excelsior. An extra early dwarf, green, wrinkled sort. The peas are superior in sweetness and quality; the vines larger and more vigorous than American Wonder, and yield one quarter more in shelled peas. **Packet, 10 cents; ½ pint, 25 cents, pint, 40 cents; quart, 75 cents.**

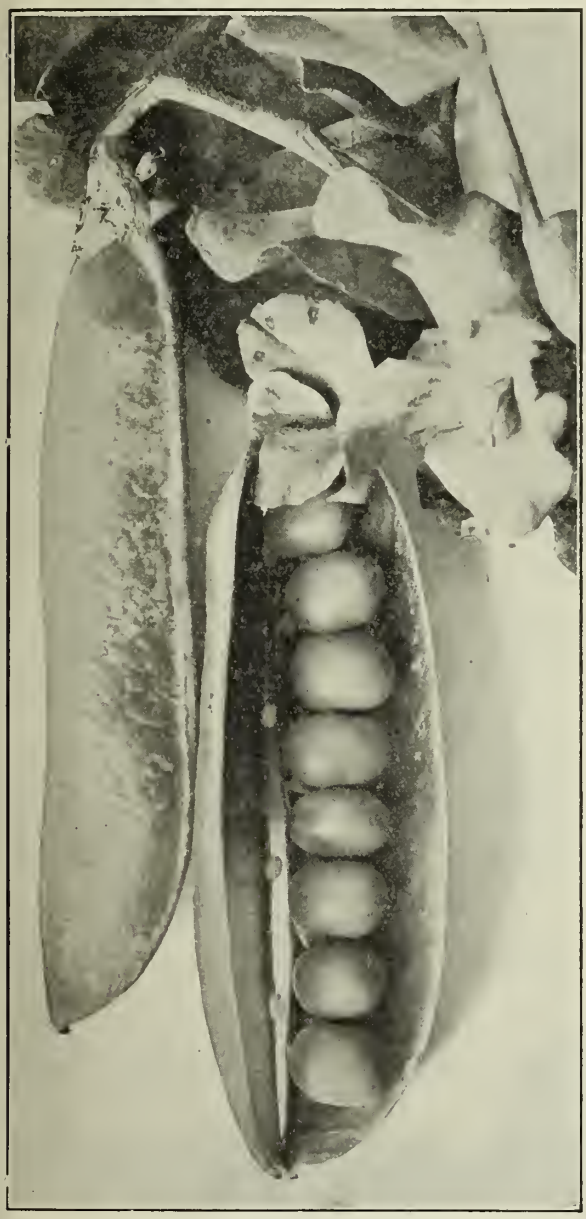
Bliss' American Wonder is one of the very best of the earliest wrinkled Peas in cultivation, and a superior cropper, bearing large, well-filled pods, having from six to nine large peas in a pod. The vines are ten to twelve inches high, and of robust habit. A fine variety for the home garden. **Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 75 cents.**

Extra Early Premium Gem. An improved Little Gem, another extra fine dwarf Pea. Many consider it equal to either Nott's Excelsior or American Wonder. Vines 12 to 15 inches. Very productive, pods large and Peas of excellent quality. An old favorite. **Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 70 cents.**



THE LAXTONIAN PEA

FOR PRICES ON LARGER QUANTITIES, BY EXPRESS OR FREIGHT, SEE PAGE 35



VICK'S DAISY PEA

Medium Early Varieties

Swastika **Vick's 1909 "Good Luck" Medium Early Garden Pea**

SWASTIKA "Good Luck" is certainly a wonder. The plant is branching and covered with pods five inches long, well filled with from seven to ten large Peas almost as sweet as sugar. It is second early, ready for picking a few days later than the extra early sorts. Vines dwarf, twelve to eighteen inches high, strong and branching, of a brilliant deep green color.
Packet, 15 cents; ½ pt., 25 cents; pt., 45 cents; qt., 80 cents.

Laxtonian A new dwarf Pea introduced by the English growers of Thomas Laxton and Gradus, resembling the latter in size and shape of pod; in fact, it is a dwarf Gradus. It is a well-known fact that for quality in flavor Thomas Laxton and Gradus were in a class by themselves, until the introduction of Laxtonian. The vines are about twelve inches high, and when in bearing are filled with immense dark green pods containing eight or nine large peas. It is but a few days later than the early sorts, but is classed as a second early. It is so productive, the pods so large and well filled, the quality so good, it is deserving of a place in every home garden.
Packet, 15 cents; ½ pt., 25 cents; pt., 45 cents; qt., 80 cents.

Everbearing. A fine wrinkled sort, about thirty inches high; very robust, bearing heavy crops of large, well-filled pods; peas of excellent flavor. Owing to its branching habit, the peas should be planted about six inches apart. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

Abundance. Remarkably productive. Plant one and a half to two feet in height; pods three inches long; peas large, wrinkled, of superior quality. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

Vick's Daisy The Daisy is a second early Pea of robust habit; the vines grow about four feet in height, bearing an abundance of well-filled pods containing seven to nine large and deliciously-flavored peas. It is one of the finest early green wrinkled Marrow Peas in cultivation, and one that ought to be grown in every garden whose owner appreciates Peas. Sturdy and branching in habit, requiring no stakes, coming early and remaining late in profitable productiveness, giving green peas of considerable size and of best quality, it is one in the very front rank. **Packet, 10 cents; ½ pt., 25 cents; pt., 40 cents; qt., 75 cents.**

Horsford's Market Garden. A wrinkled variety of superior quality, growing two feet high, very stocky; requires no brushing; extremely prolific, bearing pods in pairs. A very desirable sort for canners' use.
Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 60 cents.

McLean's Advancer. A fine early market variety, exceedingly prolific, with well-filled pods of green wrinkled peas of delicious flavor. It is also known as Dwarf Champion. Vines two to two and a half feet high.
Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Telephone. A fine, tall, wrinkled variety, and a great cropper, bearing immense pods of large peas of exquisite flavor. It is decidedly a market garden Pea, filling a basket quicker than any other variety. Vines four feet.
Packet, 10 cents; ½ pint, 20 cents, pint, 35 cents, quart, 65 cents.

Long Island Mammoth. One of the most productive Peas in the list. Pods large and handsome, and well filled with peas of excellent flavor. This is another one of those popular sorts for the market gardener, as the large pods soon fill a basket, requiring but little time for gathering the crop.
Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Late or Main Crop Varieties

Improved Stratagem This is one of the best of the large-podded sorts; vigorous, productive, and of exceedingly fine quality; a favorite with market gardeners everywhere. Vines two to two and a half feet. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

Improved Pride of the Market. A very robust, strong-growing variety, about two feet high, requiring no bushing or support; wonderfully productive; fine in appearance, and quality most excellent. A fine Pea for the kitchen garden or for market use. **Packet, 15 cents; ½ pint, 20 cents; pint, 35 cents; quart, 60 cents.**

Yorkshire Hero. A very fine, large, dwarf, wrinkled variety, of extra fine quality and very productive. Vines two and one-half feet high, bearing numbers of large well-filled pods. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.**

Champion of England. A handsome variety, popular everywhere. One of the richest and best-flavored green wrinkled Peas. Five feet in height.
Packet, 10 cents; ½ pint, 20 cents, pint, 35 cents; quart, 65 cents.

Melting Sugar. This variety is used either shelled or cooked in the pod, like string Beans, and when young is very tender and sweet. It is but little known in this country, while abroad it is considered a great relish.
Packet, 15 cents; ½ pint, 25 cents; pint, 45 cents; quart 80 cents.

Large Black-Eyed Marrowfat. Well-filled pods. Four feet tall; ½ pint, 15 cents; pint, 25 cents; qt., 40 cents.

Large White Marrowfat. Like the Black-Eyed Marrowfat, extensively grown as a field crop. ½ pt., 15 cents; pt., 25 cents; qt., 40 cents.

Field Peas

Field Peas make a splendid fodder crop for stock. They can be sown very early, either alone or with oats, and for dairy cows they equal corn and are ready several weeks earlier. Swine can be pastured to great advantage in a field of peas. Field peas can be grown on land that will not produce clover.

Canada Field. For sowing broadcast. **Bushel, $3.00.** Freight or express not prepaid. Subject to market change

SEED POTATOES

Every variety of potatoes listed here was tested on our trial grounds last season, and in all respects they were found to be of exceptionally high quality.

These varieties were grown on contract, within fifty miles of Rochester, and the crop was regularly inspected during the season, so we know that the stock is absolutely right in every way. No grower of potatoes can afford to take chances with inferior seed stock, and with this in mind we have given particular attention to our supply for this season,

We always ship Potatoes and other heavy goods by Freight, excepting when ordered sent by Express, or when the quantity is such that to send by Express is cheaper.

Many people order small quantities, like a peck, to go by freight, thinking the charges will be less. This is seldom the case as the railroad companies make no rate for less than 100 pounds; therefore, the freight on a bushel is just as cheap as on a peck. Packed for shipment, Potatoes weigh about: Peck, 20 pounds; half bushel, 40 pounds; bushel, 70 pounds; barrel, 185 pounds. **Please state whether you want the potatoes by freight or express, and do not fail to name the station to which they are to be sent.**

These prices subject to market change.

Vick's Late Vicktor

Cataloged last season for the first time. One of the best main crop, late, round, white potatoes in cultivation; skin smooth and clear, shape uniform, tubers sound and of excellent cooking quality. This new sort is very productive, vines large and branching, and a large number of fine, sound tubers of just the right size and shape, in each hill. We are pleased to recommend this new variety to all of our customers. **Pound 30 cents; three pounds, 65 cents; by mail or express prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by express or freight, not prepaid.**

Quick Crop As the name implies, is an early variety. It is a rapid, vigorous grower; vines strong and of a healthy dark green. Its cooking qualities are unsurpassed. When planted on good soil big returns can be expected, as it is an exceptionally heavy yielder. The tubers are oval to long in shape, and light rose in color. We especially recommend this variety to the market garden trade and to the home garden for first early. **Pound, 30 cents; three lbs., 65 cents; by mail or express, prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by express or freight, not prepaid.**

VICK'S LATE VICKTOR

Ohio Junior. This variety, while not of recent introduction, is one of the earliest Potatoes cultivated, and on this account is prized by market growers. The tubers are oblong-oval, round at the seed end, with full eyes that are almost even with the surface. An excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of extra early varieties. **Pound, 30 cents; three lbs., 65 cents; by mail or express, prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by express or freight, not prepaid.**

The Bovee For an extra early this variety is one of the best; almost as early as the Ohio, and an exceedingly heavy yielder for an early Potato. A vigorous grower, good keeper, and fine quality. In color it resembles the Hebron or Rose class. It grows to a good size, oval in shape. We consider it an excellent variety. Our seed stock was procured direct from the originator. **Pound, 30 cents; three lbs., 65 cents; by mail or express, prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by express or freight, not prepaid.**

Early Astonisher. New and early. Skin, light yellow, often netted, flesh white and floury when baked or boiled. It resembles Early Rose in shape and is just the variety for the market gardener. It has proven with us to be a big yielder combined with earliness. **Pound, 30 cents; three pounds, 65 cents; by mail or express, prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by express or freight, not prepaid.**

Early Harvest. One of the best early White Potatoes. It is wonderfully early. This feature, coupled with large yield, superb quality, and fine appearance, makes a most valuable sort for early marketing or home use. The tubers average large, are nearly white, with eyes only slightly indented; shape oval, flattened, sometimes long-oval. **Pound, 30 cents; three lbs., 65 cents; by mail or express, prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by freight or express, not prepaid.**

Carmen Seedling

A late, round white main crop variety. Very handsome, productive and of excellent cooking quality. It is fresh from the seed ball, and produces unusually well. This variety we consider one of the best main crop potatoes we have ever grown. **Pound, 25 cents; three pounds, 60 cents; by mail or express prepaid. Peck, 80 cents; bushel, $2.25; barrel, $5.50; by express or freight, not prepaid.**

Sir Walter Raleigh. This seedling of Carmen No. 2 is a grand main crop variety. It is an extremely heavy yielder of handsome white skinned, fine grained, smooth, oval potatoes. Mr G. E. Martin, well known expert potato grower of Monroe County, N Y., grows 18 acres of Sir Walter Raleigh yearly, selecting this variety for main crop after extended trials. **Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 80 cents; bushel, $2.25; barrel, $5.50; by express or freight, not prepaid.**

Maggie Murphy. The Maggie Murphy is conceded by Potato growers to be one of the best late Rose varieties, and if planted on light soil the quality is unsurpassed, the yield enormous. This Potato in form is oval, the skin a delicate pinkish tint, with russet markings, eyes flush with the surface. Plants very strong and vigorous, remaining green up to maturity. **Pound, 25 cents; three lbs. 60 cents; by mail or express, prepaid. Peck, 80 cents; bushel, $2.25; barrel, $5.50; by express or freight, not prepaid.**

We can supply seed stock of all the leading varieties.

Irish Cobbler. An extra early, white, round, potato. Strong, vigorous grower. Yields well, fine cooking quality and one of the very best early sorts **Pound, 30 cents; three pounds, 65 cents; by mail or express, prepaid. Peck, 85 cents; bushel, $2.75; barrel, $6.00; by express or freight, not prepaid.**

MUSTARD

Ostrich Plume. Exceedingly ornamental as well as useful. The leaves are long, ruffled, frilled, and curved as gracefully as an ostrich plume. For salad it is better than any other variety, and for boiling it is superior to spinach. **Packet, 5 cents; oz., 10 cents.**

White. Fine for salad or culinary purposes. **Packet, 5 cents; oz., 10 cents; ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents.**

Giant Southern Curled. The favorite in the South. Continues to yield until frosty weather. **Packet, 5 cents; oz., 10 cents; lb., 50 cents.**

OKRA OR GUMBO

A large, vigorous, tender plant, cultivated in the South for its young seed-pods, which are very nutritious, and are used in soups, stews, etc., and especially for making gumbo soup. Should be more generally grown in the North wherever it is warm enough for Sweet Corn. About the last week in May sow seed thinly, in drills one inch deep and three feet apart. When well up, thin the plants out to one foot apart in the row. Gather the pods when quite young (about an inch and a half long), before woody fibre is formed. One ounce of seed will sow fifty feet of drill.

White Velvet (White Creole). Pods round, smooth, much larger than other sorts; produced in great profusion. **Packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; lb., 55 cents.**

Perkin's Mammoth Long Pod. A dwarf but enormously productive variety. Pods long, slender, deep green, and remain tender much longer than most sorts. **Packet, 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb. 65 cts.**

PARSLEY

As Parsley seed germinates very slowly, it should be planted in a bed if possible. For outdoor sowing always prepare the seed by placing it in hot water to soak for twenty-four hours, in a warm place. Sow thickly, in rows one foot apart and half an inch deep, pressing down well after sowing. When well up, thin to six inches apart. Parsley lives through the winter, and seed may be sown in the autumn. One ounce will sow 150 feet of drill.

Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 85 cents; except as noted.

Champion Moss Curled. A compact growing, very ornamental plant. Leaves a bright green color, finely crimped and beautifully curled.

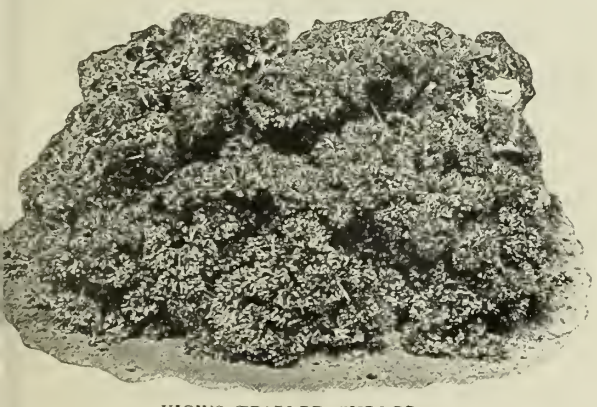
Vick's Triple Curled. One of the best for market or private garden; a handsome dwarf, compact sort. Leaves bright pale green; extra curled and crimped.

Beauty of the Parterre, or True Emerald. This variety is very distinct in appearance. It has a shade of green not shown in any other, while its leaves are more finely cut and densely curled. Habit dwarf and spreading. **Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., $1.00.**

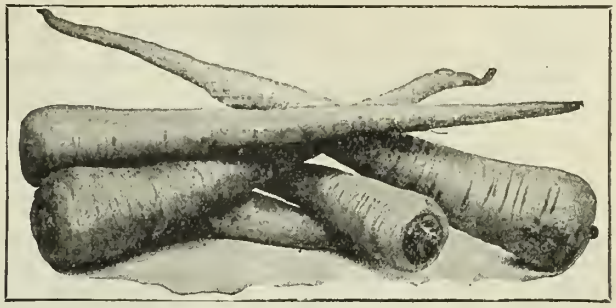
Fern-Leaved. As its name indicates, this variety is most beautiful in form and color; valuable for garnishing, and also as an ornamental foliage plant for borders of beds. **Packet, 5 cents; oz., 15 cents; ¼ lb., 35 cents; lb., $1.25.**

Hamburgh or Turnip-Rooted. The roots resemble a small Parsnip, and are the edible portion of this variety. Used for flavoring soups, etc.

Messrs. James Vick's Sons READING, PA., March 16, 1911.
Dear Sirs:—Received the seeds you sent me and am very well pleased with them. Wish to thank you for the prompt delivery.
Respectfully, THEO GANBIT, 113 Hamilton Street.



VICK'S TRIPLED CURLED



PARSNIP

Parsnip seed germinates very slowly, and does best in a cool, moist soil, therefore it should be sown as early as possible, in drills from fifteen to eighteen inches apart, and about half an inch deep. One ounce will sow 200 feet of drill; five pounds for an acre.

Elcombe's Giant. A new Parsnip having all the good qualities of the old favorite. Hollow crown but is smoother; not quite so long and much thicker at the top or shoulder. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Long Hollow Crown (White Dutch or Sugar). The old standard, and one of the best for general farm use and for home or market purposes. Long, smooth, tender, and sugary; very hardy; will keep throughout the winter with very little protection. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Improved Guernsey. Half-long. The roots are not so long as those of the Long Hollow Crown; are larger in diameter and more easily gathered; smooth, fine-grained, and of excellent quality. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; pound, 90 cents.**

PEPPER

The culture of peppper is precisely the same as for Egg Plant. Transplant when three inches high. One ounce of seed will yield about 1,500 plants.

Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., $2.50; except where noted.

Chinese Giant. A magnificent variety and the largest and finest Pepper in cultivation. The plant is about two feet high, of strong, vigorous growth and very productive. The flesh is unusually thick and very mild, having none of the pungency of most of the older varieties. The immense size of the fruit and its brilliant scarlet color render it very attractive. **Packet, 10 cents; ¼ oz., 20 cents; ½ oz., 30 cents; oz., 50 cents; ¼ lb., 1.50; lb., $5.00.**

Large Bell, or Bull Nose. Very large, nearly four inches long and three inches in diameter; glossy red. Excellent for use in salads and pickles.

Ruby King. A handsome and very productive variety. Fruits from four to six inches long by three and a half to four inches broad; remarkably mild and pleasant. When ripe they are a bright ruby red.

Golden Dawn or Queen. Resembles the Large Bell in shape, but is more delicate in flavor. Color a rich golden yellow, with very thick, mild, sweet-flavored flesh.

Sweet Mountain or Mammoth. Much like the Large Bell, but larger and milder. Fruit thick and sweet. Fine for making stuffed mango pickles.

Coral Gem Bouquet. The finest of the small varieties. Its shining red pods, an inch in length, are so thickly set as to completely cover the plant. They are very hot, and suitable for seasoning. Makes an elegant pot-plant. **Packet, 5 cents; oz., 50 cents; ¼ lb., $1.50; lb., $5.00.**

Red Cluster. A distinct and beautiful variety, bearing a profusion of bright scarlet fruit in clusters in an upright position. Hot and pungent. As a decorative plant for the flower garden or for pots, it will be found very useful. **Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., $3.00.**

Celestial. A Chinese variety, useful as well as ornamental. Sets its fruit early, and continues until frost. When fully grown the fruit is bright scarlet.

Long Red Cayenne. Beautiful and productive. Fruit four inches long bright red, pointed pod; flesh thick and pungent.

OTHER STANDARD VARIETIES OF PEPPERS

Small Red Chili. Cherry-Formed Red.

RADISH

FOR early use seed should be sown in the hotbed, in drills, three or four inches apart and half an inch deep. For open ground sow as early as weather conditions permit. As soon as the first leaves appear, sprinkle with soot or ashes to save them from the turnip fly. The Winter Radish should be sown about the middle of the summer, and makes its best growth in autumn. One ounce will sow 100 feet of drill; ten pounds to the acre.

VICK'S EARLY SCARLET GLOBE

For House or Garden Culture

Vick's Early Scarlet Globe

is Unequalled by any other Sort

It is handsome in both form and color, a beautiful oval and a rich scarlet; the flesh is crisp, tender, juicy and mild. The amount of its foliage is small compared with other varieties and small for the size of the Radish, making it a particularly attractive market sort. As a forcing Radish, Vick's Early Scarlet Globe is the best in every way, bearing the heat requisite for forcing without becoming pithy or spongy. Away back in 1884 we introduced this universally popular Radish and today it is sold by almost every seedsman in the world, and is also used by the leading market gardeners both for forcing and out-of-door planting. Owing largely to our care in selecting and growing the seed, it leads all other varieties.

Vick's Early Scarlet Globe Radish is the Best all-round Radish on the market, and is therefore valuable for both the home gardener and the man who grows Radishes for the market. You will find "Vick Quality" in every ounce.

Packet, 5 cts.; oz., 15 cts.; ¼ lb., 30 cents; lb., $1.00

Next to Vick's Scarlet Globe Radish these are the Best Varieties you can grow

Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 80 cts., except as noted; all postpaid.

Vick's all Seasons. ***Good at all times from the size of a marble to as big as a base ball.*** It may be sown from spring until autumn, and the roots obtained from late sowings can be kept in storage for winter consumption. It can be used in all stages, from the size of a marble until full grown. The root is round, of brilliant scarlet color, grows to a very large size, and remains firm and brittle to the end. When sliced and salted it makes a very fine relish.

Triumph. A striking variety. Root globe-shaped, showing bright scarlet stripes on a white ground. A good forcer.

French Breakfast, or Scarlet Olive-shaped White Tip. Very tender and beautiful. Fine for open ground or forcing.

Early Round Dark Red (Non plus ultra). Especially adapted for forcing on account of its very small tap-roots and tops. It is also good for summer use in open ground. Skin dark red; flesh white, crisp, and tender.

Extra Early Scarlet Turnip-Rooted. (Forcing.) Medium in size, the root being clear and smooth, with a small top, remaining fit for use a long time. Next to Scarlet Globe we would recommend this variety for forcing.

Scarlet Turnip White Tip (Rosy Gem). (Forcing). Very desirable for forcing and outdoor planting. Tops and roots both small; skin bright scarlet; flesh very mild and crisp.

Scarlet Olive-Shaped. Oval; very tender and excellent; an inch and a half long; fine for forcing or open ground.

White Olive-Shaped. Like all olive-shaped varieties, except in color.

Philadelphia White "Box." Is superior and entirely distinct from any early White Turnip Radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, showing no disposition to become pithy with age. Its short top and rapid growth especially fit it for growing under glass.

Scarlet Turnip. Round, diameter about an inch; skin scarlet flesh white.

White Turnip. Similar to preceding, except in color; less pungent.

Yellow Turnip. Similar to above, except in color.

Wood's Early Frame. Similar to Long Scarlet, but shorter, earlier, and adapted for forcing.

Long Brightest Scarlet or Cincinnati Market. The brightest and handsomest scarlet Radish grown. Fit for use in twenty-five days from time of sowing, and remains in good condition until fully grown, when it is as large and crisp as Wood's Early Frame. Tops small.

Vick's Improved Long Scarlet Short-Top. The favorite long market Radish everywhere; six or seven inches long. Our strain of this popular sort has been grown from a selection year after year until it is perfection itself.

Beckert's Chartier, (Shepherd). A distinct variety. Color red at the top, shading to pink in the middle, and passing into pure white. It attains a large size before becoming unfit for use.

Long White Vienna or Lady Finger. Beautiful in shape; skin and flesh snow white; crisp and tender in summer.

Icicle. A beautiful transparent white variety, about three inches long and half an inch in diameter, with small tops; very crisp and brittle, and remains in good condition a long time; does not get pithy. Suitable for forcing.

White Delicious. An improvement on the White Strasburg, being earlier, more evenly shaped, and having a smaller top. For outdoor early fall sowing it is sure to make a crop of uniform white Radishes. Quality first class.

White Strasburg Summer or White Hospital. A large, white, showy, half-long variety. Matures early. A leading market variety.

Giant White Stuttgart. A popular variety, early, of quick growth and large size; in shape like a large top. Flesh and skin pure snowy white.

Cooper's Sparkler A new variety of an entirely distinct type. In shape it is globular; the top is very short, thus making it adaptable for forcing, although it is equally good for outside. The color is a rosy carmine, with a long white tip. Cooper's Sparkler will keep longer in good condition than any other variety we have tried, and can be grown the year round. Successive sowings should be made during the summer. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 60 cents.**

COOPER'S SPARKLER RADISH

Winter Radishes

Packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; lb., 60 cts. except as noted; all postpaid.

Chinese Rose Winter (Scarlet Chinese). One of the very best for fall and winter use, and popular with market gardeners. Bright rose color; flesh white and firm, of superior quality.

Large White Spanish Winter. A popular sort. Flesh solid and milder in flavor than the black sorts.

Round Black Spanish Winter. This is a large black-skinned Radish, much relished by the Germans. Flesh white and firm.

Long Black Spanish Winter. Like the above, but the roots are longer and perhaps slightly milder in flavor.

California Mammoth White Winter is really a Chinese Radish, grown by the Chinese in California; eight to twelve inches long and from two to three inches in diameter; white, solid, and of good flavor.

RHUBARB

Sow in drills eighteen inches apart and one inch deep. Thin out the plants to six inches apart. In the fall prepare the permanent bed by trenching two feet deep, mixing a liberal quantity of manure with the soil. Into this set the plants about five feet apart each way. The stalks should not be cut until the second year. One ounce should give about 500 plants

Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.25.

St. Martin's. One of the earliest as well as most prolific

Linnæus. Early and tender.

Victoria. Very large, but later than Linnæus.

Roots of above, each, 15 cents; dozen, $1.50.

SPINACH

For a succession, the seed may be sown early in April and again in May, in drills one foot apart and one inch deep, properly thinning out when plants are an inch in the leaf. For the principal crop, sow from first to middle of September, protecting the crop with a light covering of straw or leaves. One ounce for 100 feet of drill; 10 pounds, in drills, for an acre.

Packet, 5 cents; oz., 10 cents; ¼ lb., 15 cents; lb., 40 cents; except as noted.

All Seasons It is a well-known fact that Spinach will not stand the hot days of summer without quickly running to seed. All Seasons will stand and remain in an edible condition longer than any other variety we have grown. The foliage is dark green, crinkled, sweet and luscious. The seed may be sown at intervals during the Summer. An exceptionally fine variety. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 50 cents.**

Improved Thick-Leaved, or Long-Standing. Leaves large and thick, somewhat crumpled. Does not run to seed as early as other varieties.

Victoria. A valuable sort. Its attractive dark green color, long-standing, and hardy character, make it desirable for both spring and late sowing.

Round or Summer. Adapted for early spring sowing, and quite popular with market gardeners. Leaves thick and large. It stands the winter well.

Large Round-Leaved Viroflay. Large, round, thick and fleshy leaves. Good for early sowing. Quite hardy. One of the best for fall sowing.

Bloomsdale or Savoy-Leaved (Norfolk.) The earliest of all varieties, and one of the best for autumn planting for early spring use. The leaf of this sort is wrinkled in the same manner as the Savoy Cabbage.

Prickly or Fall. A hardy variety, used for fall sowing. With very slight protection it will withstand the severest weather.

Mr. Farmer—You will miss a lot of good things if you don't plant a garden. Make it big enough to cultivate with a horse and save time. Here are a few Vegetables you *ought* to have (maybe you will *want* others):

Danish Ballhead Cabbage (see page 9)
Danvers Yellow Globe Onion (see page 22)
Golden Giant Mangel Wurxel (see page 7)
Chantenay Carrot (see page 10)
Big Boston Lettuce (see page 12)
Vick's Golden Nugget Sweet Corn (see page 18)

IMPROVED THICK-LEAVED OR LONG STANDING

St. Louis, Mo.
James Vick's Sons
Dear Sir:—
Received my seeds just a week after I wrote out my order. This was very fast service and I wish to thank you for the same.
Yours truly,
Michael Spreitzer,
4724 Gravois Ave.

PUMPKIN

Plant in hills eight feet apart each way, any time after the middle of May. Avoid planting near other vine crops, as they will hybridize and damage the crop. One ounce will plant about twenty-five hills; four pounds to the acre.

Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 85 cents; except as noted.

PUMPKIN, SUGAR OR PIE

Winter Luxury. This is the finest pie Pumpkin yet introduced; we cannot recommend it too highly for this purpose. It is also a good keeper, wonderfully productive, while its finely netted skin and golden-russet color make it desirable for market use.

Large Sweet Cheese (Kentucky Field). One of the best for table use, and very productive. Shape flat; skin mottled light green and yellow, changing to a rich crimson color; flesh yellow, thick, and tender.

Sugar, or Pie. A rather small, but handsome variety. Shape round; skin deep orange-colored; flesh fine-grained, sweet-flavored; superior for pies.

Golden Oblong. A productive variety, oblong in shape, growing 16 to 18 inches long. Skin golden orange, thin and tough; almost as good a keeper as the hard-shell winter Squash. Flesh yellow, dry, and sweet; excellent.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs.

Mammoth Red Etampes. Skin brilliant, glossy red; flesh deep orange, very thick. Matures early. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents; lb., $1.50.

King of the Mammoths, or Jumbo. The largest of all Pumpkins. Round in shape, flattened at both ends. It is a splendid keeper, and valuable for stock feeding; also desirable for exhibition purposes.

Connecticut Field. The hardiest of all Pumpkins; cultivated mainly for stock-feeding, producing enormous crops. Packet, 5 cents; oz., 10 cents; ¼ lb., 15 cents; lb., 40 cents.

Cushaw, or Crookneck. A favorite sort of excellent quality. Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., $1.00.

SUMMER ASPARAGUS

Cut and come-again Vegetable

Something New and Good

One of the most delectable vegetables that has been introduced in years. Well worth a place in everyone's garden. Every one who tested it last summer pronounced it very delicious; many thought it better than Asparagus.

The plant makes an upright growth like the Summer Crookneck Squash, the fruit forming in the axils of the leaves. In shape the fruit somewhat resembles a Cucumber and is cut when four to six inches long. Cooked the same as Asparagus, either whole or cut in small pieces without peeling. Especially delicious cut in small pieces and cooked with cream. It is also used sliced and fried as a salad.

The more it is cut the more it will produce. Fruit should be cut while young. If allowed to develope it will retard the yield. Four or five hills is sufficient for a large family as it may be cut almost every day until frost. Sown early it will fruit from the latter part of June until October. Plant in hills 3½ to 5 feet apart any time from the latter part of May until July first. Packet, 15 cents.

SALSIFY

White French. The old favorite variety. Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.50

Mammoth Sandwich Island. This is the largest and most profitable Salsify now in cultivation. Packet, 5 cents; oz., 15 cents; ¼ lb., 50 cents; lb., $1.50.

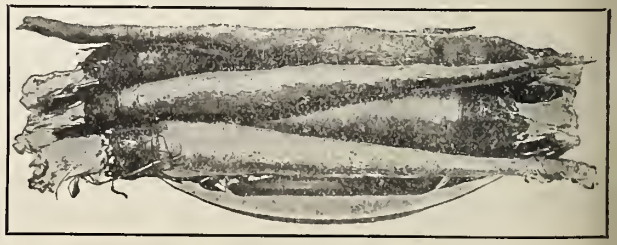
Black, or Scorzonera. A black variety, with a somewhat bitter root. Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., $1.50.

SCOLYMUS—Spanish Salsify

More productive than Salsify. The roots resemble a small Parsnip, and will keep through the winter like a Turnip. Cultivate like Parsnips. It is eaten boiled, like Salsify. Packet, 10 cents; oz., 20 cents; ¼ lb., 85 cents; lb., $3.00.

Why we believe Vick Quality Seeds are best:

They are strictly fresh; we sell no old seed.
They are grown by experts, under the best conditions.
They are carefully cleaned; many kinds hand-sorted.
For over 60 years Vick Quality Seeds have given satisfaction.

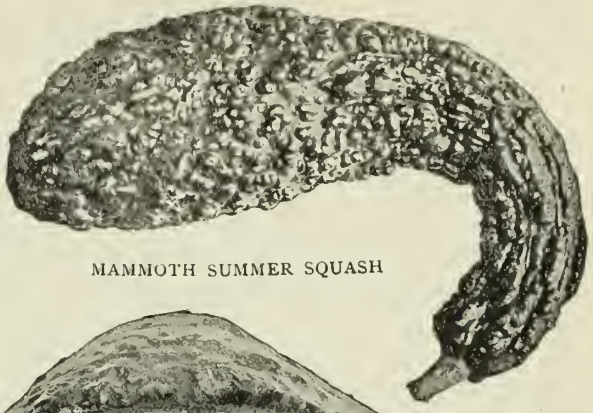


MAMMOTH SANDWICH ISLAND SALSIFY

SQUASH

Squash likes a rich soil, and it is best to manure in the hill. Plant a dozen seeds in each hill, and when danger from "bugs" is over pull up all but three or four. For bush sorts, make hills four or five feet apart each way, and for the running kinds twice that distance. Winter Squash should be ripened thoroughly, or they will not keep through the winter. One ounce of early varieties for fifty hills and two ounces of late will plant fifty hills; three to four pounds per acre.

Packet, 5 cents; oz., 15 cents; ¼ lb., 40 cents; lb., $1.25 except as noted; all postpaid.



MAMMOTH SUMMER SQUASH

Summer Squash

Mammoth Bush Summer Crookneck. The richest and best of the Summer Squashes. Early and productive. Color golden yellow; flavor sweet and rich. It is almost twice as large as the ordinary Summer Crookneck.

Mammoth White Bush Scallop (Silver Custard). The best of the scalloped Squashes. Handsome and of fine quality.

Delicata. A beautiful small oblong Squash. In color orange, striped with dark green on the outside. The flesh is rich, dry and extra fine quality when cooked. In season it is very early, maturing the same time as other extra early varieties and used in the same way.

Fall and Winter Squash

Delicious. In size it resembles the Hubbard. In thickness of flesh it surpasses nearly every variety. The color is a dark bronze green. For table use no other variety compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness, and exceeding richness of flavor. It is best in the fall and early winter. Specially selected strain. Packet, 10 cents; ounce, 20 cents; ¼ pound, 50 cents; pound, $1.75.

HUBBARD SQUASH

ROCHESTER GROWN MEANS QUALITY

Early Prolific Orange Marrow. An improvement by selection from Boston Marrow; not so large but much earlier. Skin orange-colored; flesh deep, fine grained, and of delicious flavor.

The Golden Bronze. Weight from eight to ten pounds; color, a dark grayish green with bronze on the upper surface when ripe; flesh golden yellow, very thick, fine grained, fine, sweet, and of a delicious flavor. Matures early, and is a good yielder and splendid keeper. As a Squash for the table and pies it has no superior.

DELICIOUS SQUASH

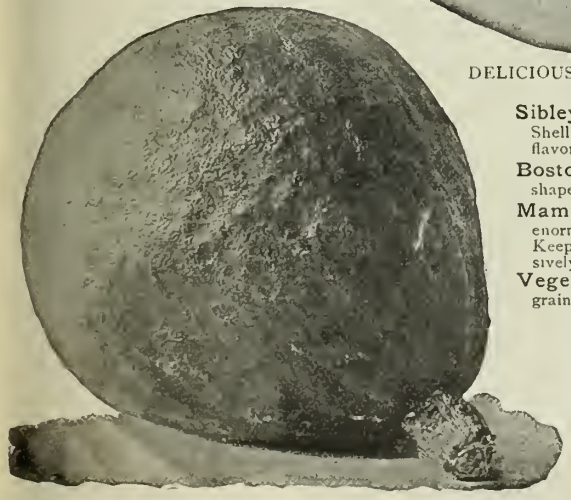
Hubbard. The standard Winter Squash; no better variety grown; more generally cultivated as a late sort than any other. Flesh fine-grained, dry, and of excellent flavor.

Chicago Warted Hubbard. This has some points not seen in the old standard, the shell having a dark green, almost a black color; and also distinguished by a dense covering of knots (warts). It is of first-class quality.

New Golden Hubbard. This is a true Hubbard Squash except in color, which is a bright orange-red. The flesh is deep golden yellow.

Fordhook. A very fine winter variety. Shell a bright yellow; flesh straw-yellow, dry and sweet, and of good flavor. Matures early, a sure cropper, and very productive. May be used at any stage of growth.

Essex Hybrid or Hard Shell Turban (Warren). A cross between the Hubbard and American Turban, having the color, shape, and fine quality of the Turban, with the dryness and hard shell of the Hubbard. Flesh thick, fine grained and solid. A good keeper. Very productive, early and of rapid growth.



GOLDEN BRONZE SQUASH

Sibley, or Pike's Peak. A very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color; flavor rich and delicate.

Boston Marrow. Very popular in the Boston market. Oval shape; skin yellow; flesh orange-colored and fine-grained.

Mammoth Chili. The largest of all Squash; grows to an enormous size. One of the most profitable sorts for stock-feeding. Keeps well throughout the winter. This variety is also extensively grown for fair exhibits.

Vegetable Marrow. Flesh rich, salmon yellow, dry and fine-grained. Excellent as a pie-squash.

ESTABLISHED -1849- QUALITY VICK SEEDS

It don't cost any more to plant good seed than it does to plant poor seed. Plant Vick Quality Seeds and have a good garden.

TOMATOES

VERY good plants can be grown in boxes in the house, but to obtain fruit very early, sow in a hotbed in March. In about five weeks plants should be transplanted to another hotbed, setting them about four or five inches apart. Here they should remain, having all the air possible, until after the middle of May, when they may be put out in the ground, four feet apart each way. If not too early or too cold, a coldframe will answer for the first transplanting. The soil for early Tomatoes should not be too rich, and a warm, sheltered location selected, if possible. Pinching off the ends of the branches when the first fruit is set, will hasten the ripening very much. One ounce will produce 2000 plants; one-quarter pound (to transplant) for an acre.

Vick's Improved Strain of the Earliana Tomato

is entirely distinct from the original Earliana, which did not ripen around the stem and at the blow end, nor was it round and smooth.

Vick's Improved Strain retains all the good qualities of the original, but is far superior, in that the fruits are **round, smooth and ripen all over**—a well ripened fruit showing no green whatever.

The strain is grown on our Seed Farm, the seed is saved from selected plants and perfect fruits, carefully cleaned and screened, therefore we are absolutely sure of the qualtty of the seed we offer.

The fruit does not crack; is solid and meaty, with few seeds, and is unequalled in quality by any other early variety. The fruit is remarkable for its large size, perfect form, bright red color, and delicious flavor, which is "just right" for the palate of an epicure.

The plant is of medium size, strong and vigorous, setting the fruits freely, close to the center stems. The plants should be set about three by four feet.

Remember Vick's Strain of the Earliana comes from James Vick's Sons only

As a crop, Vick's Strain of Earliana Tomato ripens a week ahead of any other variety, coming into market when other sorts are ripening a few scattered fruits. This fact makes the Earliana the most profitable variety ever introduced.

This most valuable variety confirms, by repeated tests, all the praise that has been lavished upon it. Gardeners near Rochester, who supply the large wholesale markets, are enthusiastic admirers, and grow it in preference to any other early tomato. Don't fail to include this varieiy when making up your seed order.

Packet 10 cents; half ounce, 35 cents; ounce, 60 cents: quarter pound, $1.60; pound, $6.00.

ROCHESTER GROWN MEANS QUALITY

After Vick's Earliana we recommend these Tomatoes

Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., $2.50; except as noted.

STONE TOMATOES

Livingston's Coreless The shape of this Tomato is almost round. Immensely productive; clusters of from four to seven fruits are produced at six to eight inches apart along the stem, ripens all over and through and right up under the stem, all at once. The strong outside and inner wall of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping. Color bright red. Packet, 10 cents; ½ oz., 35 cents; oz., 50 cents; ¼ lb., $1.50.

Dwarf Champion The Standard Variety for all People and Places

Dwarf and compact in habit, the plant growing stiff and upright, with very thick and short-jointed stems, requiring no stakes. Often sold as Tree Tomato. Can be planted as close as three feet. Unsurpassed as a cropper. Color deep red, with a purplish tinge. Round and smooth.

Golden Queen (Queen of the Yellows). Solid, smooth, large in size, and ripens early. Makes a handsome, rich preserve. This Tomato should be grown in every home garden; its flavor is better and more delicate than that of the red varieties, the flesh finer-grained and very tender. Try it. Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., $3.00

Plum-Shaped Yellow. Handsome in appearance and valuable for preserving. Excellent served raw with pepper and vinegar.

Pear-Shaped Red. True pear-shaped, small, bright red. Used for preserves and for making "Tomato figs."

Pear-Shaped Yellow. Same as the above, except that color is yellow

Chalk's Early Jewel
A fine second-early Tomato about ten days later than Earliana. Fruit large size and fine flavor. The plants are compact and strong, and when bearing fairly loaded with fruit. One of the best for shipping and the home garden. Continues bearing throughout the Summer. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb. 85 cents; lb., $3.00.

Bright and Early. A very desirable variety for the home garden. Color a fine, deep red, and very uniform; skin firm and free from cracks; flesh solid, and of the finest flavor. While some large specimens are produced, the average size is slightly below medium; but whatever is lacking in the size of the individual fruit is more than made up in the immense clusters.

CHALK'S EARLY JEWEL TOMATO

Some of the novelties and good things for this year

	Page
Summer Asparagus, the New Vegetable	31
Six New Asters, never before offered	42-43
New White Gladioli, "Rochester" White	86
Garden Pea, Little Marvel	24
Cabbage, Copenhagen Market	9
Cabbage, Danish Stonehead	9
Bean, Fisher Stringless Golden Wax	3
Bean, Kenney's Stringless Refugee	4
Beet, Mangel Wurzel, Danish Sludstrup	7
Beet, Mangel Wurzel, Taaroje	7
Field Corn, Iowa Gold Mine	14
Field Corn, Drought Proof Yellow Dent	14

Crine's June Pink. An extra early selection from Earliana. The color is a purple pink; the fruit is smooth and the plant a good yielder. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., 85 cents; lb., $3.00.

Stone The Best Red Tomato For Garden or Field

Ripens for main crop; very large; color bright scarlet; very smooth; ripening even to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper, quality the very best; not subject to rot; its appearance on market remarkably attractive; a heavy variety. It is the standard Tomato for market gardeners and truckers, and superior for canning.

Dwarf Stone. The strong, upright growth allows very close planting. The plants may be set 18 by 24 inches apart and yet produce an abundant crop. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens evenly, and is of most excellent quality. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., $1.00; lb., $3.50.

Beauty. A decided favorite for either home market or shipping purposes. Hardy, productive, large size, always smooth, glossy crimson with a slight tinge of purple. A great favorite with Florida and long distance shippers

Royal Red. Bright scarlet and the reddest throughout of any Tomato grown. Large, smooth, solid, and productive.

Red Cherry. Small, perfectly round and smooth, bright red, borne in large clusters. Fine for preserves and pickles.

Yellow Cherry. Differs from Red Cherry only in color.

Husk or Strawberry (Winter Cherry, etc). Fruit golden yellow, size of a cherry. Fine for pies, preserves, or eating from the hand. Packet, 10 cents; oz., 35 cents; ¼ lb., $1.00; lb., $3.50.

OTHER STANDARD VARIETIES

Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., $2.50.

Honor Bright, Improved Trophy, Ponderosa, Livingston'sFavorite, Perfection, Peach.

Forcing Varieties

Stirling Castle. A fine variety, especially for forcing purposes, and outdoor planting when grown on a single stem. The fruit is round and deep, of medium size, smooth, free from cracks or watery cavities, and almost seedless; color bright scarlet. Very early. Packet, 20 cents.

Lorillard. A good sort for forcing under glass aswell as for outdoor culture; bright red, smooth, early. Packet, 10 cents; oz., 35 cents ¼ lb., $1.00.

LIVINGSTON CORELESS

TURNIP, EARLY SNOWBALL

RUTA BAGAS

OR SWEDE TURNIPS

Packet, 5 cents; ounce, 10 cents; ¼ lb., 20 cents; lb., 60 cents.

If you require five pounds of seed or more, write for special quotations. We can furnish large quantities at lower rates.

White Sweet Swede. A large, white, solid Swede, sometimes called White Russian. Quite desirable for table or stock-feeding. A great yielder. Fine form and good keeper.

Vick's Imperial Purple-Top Yellow An excellent variety either for the table or cattle-feeding. Flesh yellow, firm, solid, rich, and sweet. Very hardy, prolific, tender. A splendid keeper.

Laing's Purple-Top Strap-Leaved. A large early sort of fine quality. Flesh yellow, very sweet. Tops peculiar in that they are strap- or entire-leaved.

TURNIP, PURPLE-TOP WHITE GLOBE

TURNIPS

SOW in drills from twelve to eighteen inches apart, and half an inch deep. In this climate we sow from the 25th of July until the middle of August. Swede or Ruta Baga Turnips should be sown the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. One ounce of seed will sow 200 feet of row; and two to three pounds are required for an acre in drills.

Packet 5 cts.; oz., 10 cts.; ¼ lb., 20 cents; lb., 60 cts.; except as noted.

Purple-Top Strap-Leaved

Flat, medium size, purple above ground, white below. The most popular variety for early use, either for table or stock.

Early White Flat Dutch, Strap-Leaved. Similar to above. A fine, early, white sort, of quick growth and excellent quality.

Purple-Top White Globe

An improved variety of the purple-top flat Turnip; globular in shape, of fine appearance, a good keeper, of excellent quality, and equally desirable for table or stock.

Extra Early Purple-Top Milan. A white variety, purple-top and strap-leaf. This, with the White Milan, is the earliest of all Turnips; Remains in good condition a long time. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 80 cents.**

Extra Early White Milan. Similar to above except it is pure ivory white in color, and about one week earlier. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 80 cents.**

Early White Snowball

or Six Weeks. A perfectly globe-shaped, white-skinned Turnip of medium size and excellent flavor. For early sowing this is one of the best, being crisp and tender, and maturing in six weeks from the time of sowing. A good keeper. Fine for family or market. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 80 cents.**

White Egg. An excellent variety. Nearly oval or egg-shaped. Flesh firm and fine-grained, and of snowy whiteness. Its flavor is of the very best. Particularly desirable for table. Can be sown as late as the middle of August.

Long White Cow-Horn. A quick-growing sort, half-long in shape fine-grained, sweet, good quality. Roots grow partly above ground. Very productive.

Sweet German. This Turnip is very popular in many sections, It partakes largely of the nature of the Ruta Baga, and should be sown as early. Flesh white, hard, firm, and sweet, with none of the pungency of the common Turnip. Superior for table or for stock. A long-keeper, and generally solid until midsummer. Highly recommended for winter and spring use.

Orange Jelly. This is the most distinct yellow Turnip ever offered. It is of very fine texture, and the best, sweetest, and most delicious of the yellow-fleshed varieties. It is of medium size, with small tap-root, a rapid grower, matures early, and keeps well. A superior table variety. **Packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; lb., 70 cents.**

Robertson's Golden Ball. Similar to Orange Jelly, but larger and not so fine-grained.

Large Yellow or Amber Globe. Good for general crop. Excellent for table or for stock-feeding. Flesh yellow, firm, and fine-grained. A good keeper and cropper.

Yellow Aberdeen. Roots medium size, round, flesh yellow, tender and sugary. Very hardy and productive. A good keeper. Good for both table and stock.

Yellow Stone. One of the best yellow-fleshed sorts for table use and stock.

Pomeranian White Globe. Very productive, in good soil roots frequently grow from ten to twelve pounds. Good for table or stock-feeding.

Large White Norfolk. A standard variety for field-culture for stock-feeding. Grows to a large size and is very productive.

TOBACCO

Connecticut Seed-Leaf. Packet, 5 cts.; oz., 25 cts.

Havana (or Cuban). Packet, 10 cts; oz., 40 cts.

BEANS, CORN AND PEAS IN LARGE QUANTITIES

In the following list we quote prices for seeds by the peck, four quarts, and quart, when sent by freight or express ***at the expense of the purchaser.*** We deliver them at express offices or railroad depots in this city at these rates, bags, packing, and cartage free, *but in no case can we prepay the charges unless the amount has been previously advanced to us for that purpose.* On all seeds not included in this list, ordered by express or freight to be shipped not prepaid, the purchaser may deduct from the prices given in the preceding pages 10 cents per pound on all seeds quoted by the pound.

BEANS—Wax-Podded.

	Qt	4 qts	Peck
Brittle Wax	$0 35	$1 25	$2 25
Davis White Wax, White Seeded	35	1 25	2 25
Golden Wax	35	1 25	2 25
Michigan White Wax	35	1 25	2 25
Pencil Pod Black Wax	35	1 25	2 25
Prolific German Black Wax	35	1 25	2 25
Refugee Wax	35	1 25	2 25
Rustless Golden Wax	35	1 25	2 25
Surecrop Stringless Wax	45	1 60	3 00
Wardwell's Kidney Wax	35	1 25	2 25
Yosemite Mammoth Wax	45	1 60	3 00

BEANS—Green-Podded.

Bountiful	35	1 25	2 25
Burpee's Stringless Green Pod	35	1 25	2 25
Dwarf Horticultural	30	1 25	2 25
Extra Early Red Valentine	30	1 10	2 00
Extra Early Refugee	35	1 25	2 25
Full Measure	35	1 25	2 25
Giant Stringless Green-Pod	35	1 25	2 25
Hodson's Green-Pod	35	1 25	2 25
Keeney's Stringless Green Refugee	50	1 75	3 00
London Horticultural	35	1 25	2 25
Longfellow	35	1 25	2 25
Long Yellow Six Weeks	35	1 25	2 25
Refugee 1000-1	30	1 10	2 00

BEANS—Bush Lima.

True Bush Lima (Burpee's)	35	1 25	2 25
Wood's Prolific Bush Lima	35	1 25	2 25
Fordhook Bush Lima	50	1 75	9 00
Improved Bush Lima (Dreer's)	35	1 25	2 25

BEANS—Pole or Running.

Dreer's Improved Lima	35	1 25	2 25
Extra Early Jersey Lima	35	1 25	2 25
Early Golden Custer Wax	45	1 60	2 75
King of the Garden Lima	35	1 25	2 25
Large White Lima	35	1 25	2 25
Old Homestead	35	1 25	2 25
Seibert's Large Early Lima	35	1 25	2 25
White Dutch Case Knife	35	1 25	2 25

PEAS.

Alaska (Earliest of All)	40	1 50	2 75
American Wonder	60	2 25	4 15
Bliss' Abundance	50	1 80	3 30
Bliss' Everbearing	50	1 80	3 30
Champion of England	50	1 80	3 30
Canada Field Peck $1.00; Bu $3.50			
Duke of Albany (American Champion)	50	1 80	3 30
Extra Early Premium Gem	55	1 95	3 55
Gradus (Prosperity)	65	2 40	4 40
Horsford's Market Garden	45	1 60	3 00
Imp'd Pride of the Market	50	1 80	3 30
Improved Stratagem	50	1 80	3 35
Large Black Eye Marrowfat	35	1 20	2 22
Large White Marrowfat	35	1 20	2 20
Laxtonian	65	2 25	4 25
Long Island Mammoth	50	1 80	3 30
McLean's Advancer	40	1 50	2 75
Nott's Excelsior	60	2 25	4 15
Surprise	50	1 80	3 30
Swastika	65	2 40	4 40
Thomas Laxton	65	2 40	4 40
Telephone	50	1 80	3 30
Vick's Extra Early	40	1 50	2 75
Vick's Daisy	60	2 25	4 15
Yorkshire Hero	45	1 60	3 00

SWEET CORN.

Black Mexican	25	75	1 25
Country Gentleman	25	75	1 25
Crosby's Early	25	75	1 25
Early Evergreen	25	75	1 25
Early Mammoth	25	75	1 25
Early Minnesota	25	75	1 25
Golden Bantam	30	1 10	2 00
Hiawatha	25	75	1 25
Kendel's Early Giant	25	75	1 25
Mammoth Late Sugar	25	75	1 25
Mammoth White Cory	25	75	1 25
Metropolitan	25	75	1 25
Perry's Hybrid Sugar	25	75	1 25
Potter's Excelsior (Squantum)	25	75	1 25
Stowell's Evergreen	25	75	1 25
Vick's Earliest of All	25	75	1 25
Vick's Golden Nugget	25	75	1 25

USEFUL HERBS

A very small space in the garden will give all the herbs needed in the family The culture is very simple, and the best way is to make a little seedbed in the early spring and set the plants out in a bed as soon as large enough As a general rule it is best to cut the herbs when in flower, tie them up in small bunches, and hang in the shade to dry. We give a list of the herbs generally cultivated and prized Of some kinds we furnish roots, as will be seen below:

	PKT.
Anise, per lb., $1 00; per ounce, 10 cents,	5
Balm, per ounce, 30 cents	5
Basil, Sweet, per ounce, 20 cents	5
Borage, per ounce, 20 cents	5
Caraway, per lb, $1 00; per ounce, 10 cents	5
Catnip, per ounce, 30 cents	5
Coriander, per lb, 75 cents, per ounce, 10 cents	5
Dill, per ounce, 10 cents	5
Fennel, Large Sweet, per ounce, 10 cents	5
Hoarhound, per ounce, 30 cents	5
Hop Seed, per ounce, $1 50	20
Hyssop, per ounce, 25 cents	5
Lavender, (Lavendula spica,) per oz, 10 cts	5
True, (Lavendula vera,) ounce, 25 cents	5
Marjoram, Sweet, per ounce, 20 cents	5
Rosemary, per ounce, 40 cents	5
Rue, per ounce, 20 cents	5
Saffron, per ounce, 10 cents	5
Sage, per lb, $2 00; per ounce, 20 cents	5
Savory, Summer, per ounce, 15 cents	5
Savory, Winter, per ounce, 20 cents	5
Sorrel, French, per ounce, 15 cents	5
Tansy, per ounce, 30 cents	5
Thyme,	
Broad-Leaved, or Winter, per oz., 30 cts	5
Summer, per ounce, 30 cents	5
Wormwood, per ounce, 30 cents	5

Lavender, roots, by mail, each, 15 cts. two for 25c.
Sage, roots, by mail, each, 15 cts., two for 25c.

BOOKS FOR GARDEN OR GREENHOUSE

Postage or Express Charges prepaid on any of these Books.

Alfalfa. Its growth, uses and feeding value, together with notes on its history, botany, etc. By F D. Coburn. Illustrated, cloth, 160 pps. 50 cents

Asparagus. Its culture for home use and for market By F. M Hexamer. Handsomely illustrated, 5 x 7 inches, 170 pages, cloth. 50 cents

Cabbage, Cauliflower and Allied Vegetables. From Seed to Harvest By C. L Allen A practical treatise on the various types and varieties of cabbage, cauliflower, broccoli, Brussels sprouts, kale, collards, and kohl rabi. Illustrated, 142 pages, 12mo, cloth 50 cents

Celery Culture. By Prof W R Beattie. In this work complete cultural directions are included, together with the estimate of cost for equipment and running expenses, and a fair estimate of returns from one acre 50 cents

How to Make Money Growing Violets. Saltford 25 cents

The Amateur's Practical Garden Book. By C E Hunn and L H Bailey Contains complete directions for growing the commonest of things about the house and garden $1.00

Garden Making. By L H Bailey. Contains directions for buildings, fences and hedges, preparation of land, planting trees and shrubs; insects and diseases, tools, laying out grounds, lawn making and planting, pruning trees, raising flowers, vegetables and fruits $1.50

Horticulturists' Rule Book. By L H. Bailey. Useful information for fruit growers, florists and gardeners. $1.50

Onion Culture, The New. By T Greiner. This work is full of new, original and highly valuable matter of material interest to every one who raises onions in the family garden, or by the acre for market. 50 cents

Greenhouse Management. By L. R. Taft. A manual for florists and flower lovers on Forcing Flowers, Vegetables and Fruits. $1.50

Mushrooms. How to grow. 10 cents

How to Grow Mushrooms. By Wm. Falconer. A practical treatise on Mushroom Culture for profit and pleasure $1.50

Roses and How to Grow Them. A manual for growing roses in a garden and under glass. Illustrated, 12mo, 189 pages $1.10

The Small Fruit Culturist. By A. S Fuller. Equally adapted to the needs and requirements of the private cultivator and the large grower. Illustrated. $1.00

Strawberry Culturist. By Andrew S. Fuller. Showing the history, sexuality, and best culture; how to fertilize, grow from seed, etc. Illustrated, flexible cloth, 12mo

We can supply (at regular prices) any Horticultural book published.
Send us a list of your needs and we will be pleased to quote prices.

VICK'S VELVET LAWN GRASS

Vick's Shady Spot Lawn Grass, Exposition Park, Rochester, N. Y.

To make a perfect lawn, good seed is absolutely essential. Vick's Velvet Lawn Grass is composed of pure seed, and contians no chaff nor weed seeds. A velvet lawn is assured in six weeks after sowing Vick's Velvet Lawn Grass Mixture.

The Velvet Mixture contains all of the very best varieties of grasses suitable for making a Lawn beautiful in appearance, durable and lasting, and which will stand the frosts of winter and the hot sun of summer, showing a deep rich green at all seasons. The seed used is pure and heavy and especially cleaned. There is a great difference in the quality of Lawn Grass Seed. Our formula includes all the best grasses for the purpose, with an allowance of white clover. The seeds have all been recleaned, are free from weeds and grown especially for our trade. We have received many flattering testimonials as to the quality of Vick's Velvet Lawn Mixture. **Per quart, 35 cents; lb., 50 cents; postpaid. Pound .40; 5 pounds $1.85; 10 pounds $3.50; 20 lbs. (1 bu.) $6.25; 100 lbs. $30.00; express or freight not prepaid.**

Vick's Shady Spot Lawn Grass

For shaded corners or under trees, where ordinary grasses will not thrive. **Per quart, 35 cents; per lb., 50 cents, postpaid. Pound 40 cents; 5 lbs., $1.85; 10 lbs., $3.50; 20 lbs., (1 bu.) $6.25; 100 lbs. $30.00; express or freight charges not prepaid.**

For a fine lawn, make the soil light and mellow, so that it will not bake after a rain; and if it is very heavy and clayey, cover the surface with a light coating of fine manure after sewing the seed. For small plots sow about one quart of Vick's Velvet Lawn Seed to a square rod which will make a beautiful thick turf. For larger areas we present a table showing how much seed is required for any number of square feet:

For 1 acre, 43560 square feet . . 5 bu. or 100 lbs.	For ⅓ acre, 14520 square feet . . . . . 33½ lbs.	For 1-12 acre, 3630 square feet . . . . . 8½. lbs
" ½ " 21780 " " . . 2½ " 50 "	" ⅙ " 7260 " " . . . . . 17 "	" 1-16 " 2723 " " . . . . . 6 "
" ¼ " 10890 " " . . 1¼ " 25 "	" ⅛ " 5445 " " . . . . . 12½ "	" 1-32 " 1362 " " . . . . . 3 "

Sow as early as possible in the spring, so as to get the benefit of early spring rains. If it is not convenient to sow then, wait till September;—**do not sow during the summer months.** After sowing, rake seed in thoroughly so that it will be well covered. Rolling improves the appearance of any lawn, and frequent mowing is of course necessary.

ALFALFA SEED

You will find it entirely free From Dodder From Weeds From Dirt

The United States Department of Agriculture says in a bulletin: "The greatest care should be taken to get seeds free from weeds. Dodder is one of the worst weeds so far as Alfalfa is concerned."

The increase in the demand for Alfalfa Seed is owing to the fact that it is unequalled as a hay crop, rich in protein, and yields from three to four cuttings a season. The most important point in growing Alfalfa is good seed, seed that is clean and free from dodder and other noxious weeds. For several years we have been striving to obtain seed containing these qualities, and are pleased to inform our customers that we have at last succeeded. In addition, it is much hardier than the ordinary run of seed, and will grow and thrive in all sections of New York and other States, where hay is produced.

The quantity of seed necessary to sow an acre varies in different localities. The Government advises for the Eastern States 24 to 28 pounds; Middle West 20 to 24 pounds; Far West 10 to 15 pounds. However, careful experiments have shown us that not less than 30 pounds is a fair quantity to use in the Northern States.

Any one contemplating growing Alfalfa should not fail to send for sample, and if so disposed, have it tested by your Experimental Station. With every order we will include or mail in advance a pamphlet, published by the New York State Experiment Station, entitled: **"Suggestions for Growing Alfalfa."**

Since prices on all Clovers fluctuate it is impossible to fix prices in December for spring sales. Quotations here given are those prevailing at the present time. Just as soon as you are ready to consider a purchase of Alfalfa or other Clover, send us an estimate of the quantities wanted and let us give you special prices. We handle larger quantities of Alfalfa than any other concern in this part of the country. This year the markets are flooded with immense quantities of a poor grade of Alfalfa. Some of it is imported, and some is grown by inexperienced farmers and contains all sorts of noxious weeds. All of our Alfalfa is tested by the government experiment stations; we do not handle any Alfalfa which contains the slightest trace of dodder or seed that has been adulterated in any way. As the cost of the seed is so small part of the cost of your crop, you can well afford to pay for the best qualtty seed. *In the long run the best seed is always the cheapest.* **Ounce, 5 cents; pound 40 cents postpaid, pound, 30 cents, 10 pounds, $2.50; 30 pounds, $6.25; bushel, $12.00. Not prepaid**

Pulverized Sheep Manure

For the Garden and Lawn

To keep your Lawn free from weeds fertilize with Sheep Manure. Why? Because it is free from weed seeds. May be used at any time. The first rain or spraying will immediately disolve it and carry the fertilizer down to the roots. The effect is immediate. It does not burn the Lawn, Flowers or Vegetables. A pure, natural, oderless fertilizer and the most nutritious food for all vegetable growth. One ton is sufficient for an acre, and 12 pounds for a plot 15 by 20 feet. **6 lbs., 35 cents; 25 lbs., 75 cents; 50 lbs., $1.25; 100 lbs., $2.00; by express or freight, charges not prepaid.**

Genuine Peruvian Guano

ANALYSIS	
Nitrogen	2 34%
Ammonia	2.85%
Total Phosphoric Acid	15.25%
Available Phosphoric Acid	7.90%
Potash available	2.44%

This Guano is the excrement of sea birds found on the islands off the coast of Peru. The birds feed upon fish, so that the material is really digested fish scrap. **The fertilizing elements are soluable in water and are available at once.** For ordinary crops use about 400 pounds an acre; for special working and gardening use 600 to 1000 pounds an acre. Peruvian Guano is a high grade fertilizer, and is much better for ordinary purposes than chemicals. It is used by the carloads by large market gardeners who need a quick acting high grade fertilizer. At the prices quoted the ultimate cost of Peruvian Guano for fertilizing an acre of garden truck is considerably cheaper than almost any other form of fertilizer. **5 pounds, 25 cents; 25 pounds, $1.00; 100 pounds, $2.75; 200 pounds, $5.00; ton, $35.00; prices not prepaid.**

EXTRA CHOICE GRASS SEEDS

While we quote some sorts by bushel or 100 pound rates these figures are merely suggestive—the markets on grass seeds varying from day to day, but we invite inquiries from intending purchasers to whom we will cheefully quote best prices by return mail. We invite correspondence on the subjects of agriculture and allied interests, and will gladly give what information lies in our power.

At pound price we prepay postage. Pecks or Bushels by Express or Freight at Expense of Purchaser

Creeping Bent, or Fiorin (*Agrostis stolonifera*). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. 2 to 2½ bushels per acre. Bushel, 20 pounds. **Pound, 45 cents; 100 lbs., $30.00.**

Red Top, fancy (*Agrostis vulgaris*). Valuable in a mixture for either lawns, pastures, or meadows, growing in almost any soil, moist or dry. For lawns forty-five pounds; for pasture twenty-five to thirty pounds per acre. Fancy cleaned. **Pound, 40 cents; 100 lbs., $30.00.**

Bermuda Grass. Invaluable for crop in the South, standing a greater degree of heat than any other known grass. **Pound, $1.25.**

Sweet Vernal Grass, True Perennial (*Anthoxanthum odoratum*). The chief merit of this grass lies in its fragrant odor. In a mixture for lawns and pasture lands it is invaluable. **Per lb., 75 cts.;** ounce . . 05
Annual Sweet Vernal, per lb. 40

Tall Meadow Oat Grass (*Avena elatior*). Valuable for pasture. The most promising for replacing prairie grass at the west Four bushels to the acre. Bushel, 13 pounds. **Pound, 45 cents; 100 lbs., $30.00.**

Hungarian Brome (*Bromus inermis*). A perennial grass especially suited to dry lands and regions subject to severe droughts. It does well in all parts of the country, North and South. It grows most rapidly in sandy soils, but will establish itself on the heaviest lands. 25 pounds of seed per acre. Bushel, 14 pounds. **Pound, 30 cents; 100 lbs., $15.00.**

Orchard Grass (*Dactylis glomerata*). One of the very best pasture grasses, exceedingly palatable to stock, will endure a good deal of cropping. One and one-half to two bushels per acre. Busbel, 14 pounds. **Pound, 40 cents; 100 lbs., $22.00.**

Meadow Fescue (*Festuca pratensis*). Excellent pasture grass. Sow in a mixture with other grasses, as Orchard Grass, Rye Grass, or Kentucky Blue Grass. 40 lbs. per acre. Bushel, 22 pounds. **Pound, 75 cents; 100 lbs., $55.00.**

Perennial Rye Grass (*Lolium perenne*). Valuable for permanent pasture, in mixture with other pasture grasses One and one-half to two bushels per acre. Bushel, 24 pounds. **Pound, 25 cents; 100 lbs., $9.00.**

Italian Rye Grass (*Loltum Italicum*). Used in Europe for soiling Gives early, quick and successive growth, till late in fall. Two bushels to the acre. Bushel, about 18 pounds **Pound, 25 cents; 100 lbs., $10.50.**

Hungarian Grass (*Panicum Germanicum*). Valuable soiling plant. May be sown as late as first of July, and produce a large green crop. One bushel to the acre. Bushel, 48 pounds. **Pound, 20 cents; bushel, $2 50.**

German, or Golden Millet. Medium early forage plant, prolific in stalk and grain; 38 pounds per acre. Bushel, 50 pounds. **Pound, 20 cts; bushel, $2.50.**

Japanese Barnyard Millet (*Panicum Crus-Galli*) Enormously productive yielding from four to six tons of cured forage per acre, on rich soils. Six to eight feet in height. Sow in May. Broadcast, ten to fifteen pounds per acre; or in drills, eight pounds per acre. **Pound, 20 cents; 100 lbs., $6.00.**

East Indian or Pearl Millet (*Penicillaria spicata*). Grows from eight to ten feet high. When cultivated for fodder, sow in drills three feet apart, and thin out to one foot apart in the rows. Four to six pounds per acre. **Pound, 20 cents; 100 lbs., $10.00.**

Siberian Millet. A new and wonderfully productive forage plant from Russia; extremely hardy; about four feet in beight. The hay and fodder are very nutritious and much liked by all kinds of stock. Sow in April, May, or June, one peck to the acre. **Pound, 20 cents; 100 lbs., $5.00.**

Timothy (*Phleum pratense*). A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils it will produce more than any other sort. One-fourth to one-half bushel per acre. Bushel, 45 pounds. **Pound, 30 cents; bushel, market price.**

Kentucky Blue Grass (*Poa pratensis*). In conjunction with White Clover it forms the finest and closest turf. As a pasture grass it furnishes the most nourishing food for cattle of any kind, until winter; thrives on a variety of soils, but does best in dry and somewhat shady localities. Sixty pounds for lawn and twenty pounds per acre for pasture. Extra fancy, re-cleaned. **Pound, 45 cents; per bushel, (14 lbs,) $5.00; 100 lbs., $32,00.**

Rough-Stalked Meadow Grass (*Poa trivialis*). One of the most valuable grasses to cultivate in moist, rich, sheltered soils. One and a half bushels per acre. Bushel, 14 pounds. **Pound; 65 cents; 100 lbs., $45.00.**

Prices on bushels and 100 lbs. subject to change without notice.

Special Grass Mixtures

These Mixtures contain over a dozen of the best permanent grasses, both American-grown and imported. All are permanent, and when once established will last indefinitely, if the soil is kept up by occasional top-dressing.

Standard Hay Mixture. For general hay lands, containing six varieties of grasses. **Pound, 35 cents; bushel, (14 lbs.) $3.00.**

Standard Pasture Mixture. For ordinary pastures, where the land is neither very wet nor very dry. **Pound, 35 cents; bushel, (14 lbs.) $3.00.**

Dry Pasture Mixture. For high and dry pastures: containing grasses that withstand exposure and severe weather. **Pound, 35 cents; bushel; (14 lbs) $3.00.**

Wet Pasture Mixture. Made up of grasses especially adapted to damp places **Pound, 35 cents; bushel, (14,lbs.) $3.00.**

All the above mixtures are made up to sow 42 pounds to the acre.

Mixed Clover for permanent pastures, 10 pounds, sows one acre, $3.50.

At the prices given we do not prepay carrying charges. *Not less than 25 pounds at 100 pound rate. No charge for bags or packages.*

TIMOTHY

FIELD OF AMERICAN BANNER OAT (See page 42)

VICK QUALITY FARM SEEDS

At Pound or Quart, we Prepay Postage. Pecks or Bushels by Express or Freight at Expense of Purchaser.
Special Prices on Large Quantities

ARTICHOKE

Jerusalem Artichoke (*Helianthus tuberosus*). Artichokes are planted same as potatoes Four bushels will produce 1200 bushels of roots. It is very hardy, and will stand freezing and thawing, and hogs will grow faster and become more healthy on this than on any other feed **Quart, 35 cents; peck, 75 cents; bushel, $2.50.**

BEANS

Soja Bean (*Glycine hispida*, or *Soja hispida*) Valuable as a forage crop and for fertilizing the soil Thrives well in hot and dry weather Sow broadcast one-half bushel to the acre, or plant in drills three feet apart and one foot between plants **Pound, 25 cents; bushel, $3.50**

Velvet Bean (*Mucuna utilis*). Used by farmers in the Southern States as a forage plant, and also as a fertilizing plant for turning under Its nitrogen-gathering properties are said to surpass those of the Cow Pea Stock readily eat the vines and leaves, and the beans when ground, with or without the pod, are used in place of oats or corn, and sometimes mixed with them. Two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two or three feet thick with a mass of foliage and vines, no matter how poor the soil **Pound, 25 cents; peck, $1.50; bushel, $5.00.**

BROOM CORN

Improved Evergreen. This variety is now grown more extensively than any other, on account of its straight, long, light green brush It is very productive. Sow six pounds to an acre **Pound, 20 cents, 100 lbs., $6.00.**

COW PEAS

This pea has always been valuable for improvement of the soil It is considered superior to clover for plowing under as a preparation for wheat, as it matures the first year from seeding Plant seed in a thoroughly pulverized warm soil If wanted to plow under for manure sow in drills one foot apart If grown for fodder, or for the seed, plant three feet apart and cultivate thoroughly.

New Era, Clay, Whippoorwill, Mixed.

All above varieties, $1.00 per peck, $3.50 bushel.

RAPE, Dwarf Essex, English

Especially grown for feeding sheep, but cattle, pigs, and milch cows do very well upon it Sheep should have access to a grass pasture, on which they will feed alternately with the Rape, thus keeping them in the best condition A constant supply of salt in the Rape field is quite beneficial For sheep pasture, sow in May, and it will be ready for pasturing in July and August Or sown in June, or even up to the latter part of July, it will furnish a large amount of pasture or fodder In drills, sow five pounds to the acre; broadcast, ten pounds to the acre **Pound, 20 cents; 100 lbs., $8.00.**

SORGHUM

When wanted in larger quantities than quoted, ask for special prices.

Early Amber. This variety is coming into general use for summer fodder for cattle in place of sowed corn, yielding two crops in a season It is claimed to keep up the flow of milk, and cows like it better than any other feed It is also easily cured, and makes excellent dry fodder. Three to four pounds are sufficient for an acre, in drills thirty inches apart, sowing the seed thick and shallow in the row **Pound, 25 cts.; 100 pounds, $6.00.**

Kaffir Corn White. This will do well wherever Amber Cane will grow It is used as a green fodder **Pound, 20 cents; 100 lbs., $5.00.**

Millo Maize. When cut for feeding it starts again from the remaining stumps with renewed strength and vigor, thrives in the hottest and driest localities. It is relished by cattle, hogs, etc., etc. **Pound, 25 cents; 100 lbs., $8.00.**

Jerusalem Corn. Belongs to non-saccharine Sorghums It is considered a good sure grain for dry sections and seasons. It produces several small heads on side shoots, often as many as eight heads on a stalk. Three pounds will plant an acre **Pound, 25 cents; 100 lbs., $8.00.**

Johnson Grass (*Sorghum Halapense*). Popular in the Southern States, where it is considered one of the most valuable forage plants One bushel per acre Bushel, 25 pounds **Pound, 25 cents; 100 lbs., $30.00.**

SUNFLOWER

Mammoth Russian. Highly valued by farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. Sow seed as soon as the ground is warm, in hills four feet apart each way. Three pounds of seed will plant one acre Yields from fifty to seventy bushels per acre. **¼ pound, 10 cents; ½ lb., 15 cents; lb., 25 cents; 100 lbs., $6.00.**

HEDGE PLANTS

HONEY LOCUST

Gleditschia triacanthos. One of the most valuable native trees, on account of its rapid growth and the longevity of the timber The seeds are very slow to germinate, and should be treated with hot water. Take up small plants and heel in, cover the plants in the fall and set out the next spring. About 175 seeds to the ounce **Ounce, 10 cents; lb, 50 cents.**

OSAGE ORANGE

Maclura aurantiaca. Used extensively as a hedge plant. It is easily kept dwarf by cutting back Sow last of May. About 600 seeds to the ounce **Ounce, 10 cents; lb., 75 cents.**

CLOVER

Special Quotations for Large Quantities

Our Clover Seed is positively free from weed seeds, and by test is of the highest germinating quality. If you place your orders with us you may be sure they will be promptly filled with stock that cannot be excelled. As for price, we shall make it just as low as market conditions will warrant; but, as has been the case for several years, the visible supply of clover is limited, therefore it will be to your advantage to order early, thus making sure of your seed and getting a lower price.

"KING BRAND" of Clover and Timothy

King brand appears upon our highest grades of both Timothy and Clover, and indcates that the seed is pure, fresh, and of the highest vitality.

A-1 brand is used upon grades which are perfectly pure, but not as handsome appearing.

The Timothy especially is a greater part of it hulled, owing to the fact that it is fully ripened, and the hull separates from the seed in the cleaning process, but this does not in any way injure the vitality, as matured seed will always grow.

	Per lb, postpaid.	Per 100 lbs, charges not prepaid
King Timothy	.30	*Prices on Application*
A-1 Timothy		
	Per lb, postpaid.	Per 100 lbs., charges not prepaid.
King Red Clover	.35	*Prices on Application.*
A-1 Red Clover		

Samples furnished free upon application. **Special quotations on large quantities.**

Scarlet, or Crimson (*Trifolium incarnatum*). Most valuable crop for green manuring, soiling, hay, pasture, and ensilage. It is an annual and must be sown every year. Improves worn out and poor soils, and is the **cheapest** and best **fertilizer.** Should be sown in August and September. Sow 10 to 15 pounds per acre. Bushel, 60 pounds. **Pound, 25 cents; bushel, market price.**

Alsike, or Swedish (*Trifolium hybridum*). Thrives in rich, moist soil. Does not succeed on high, dry lands. Eight pounds per acre. **Pound, 35 cents; bushel, market price.**

White (*Trifolium repens*). Valuable to mix with lawn grass; should be in every mixture for permanent pasture. 10 lbs. to the acre, half the quantity when sown with other grasses. **Ounce, 5 cents; lb., 55 cents; 100 lbs., market price.**

Sweet, or Bokhara (*Melilotus alba*). Makes excellent food for bees. **Ounce, 5 cents; lb., 35 cents.**

RYE

Spring Rye. This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so produced for several years. The standard variety for spring planting. Sow about 1¼ bushels to the acre. **Peck, 75 cents; bushel, $2.50.**

White Winter. Much prized for its straw, also for plowing under as a green manure. The ordinary fall-sown variety, of which we offer choice selected stocks only. **Peck, 65 cents; bushel, $2.00.**

WHEAT

SPRING—**Peck, 60 cents; bushel, $1.75.**
WINTER—**Peck, 50 cents; bushel, $1.60.**

SWEDISH OR WASHINGTON OAT

OATS

Swedish or Washington

The Ideal Oat for the American Farm

Swedish Oats grown on our farm the past summer yielded the largest, heaviest crop in the neighborhood. In fact, we have never seen a handsomer and plumper lot of Oats than our own farm grown stock. Seed weighs from 36 to 37 pounds to the measured bushel.

This superb variety is undoubtedly the heaviest cropping white Oat ever offered, having yielded over 100 bushels to the acre and ordinary crops going sixty bushels and over.

It is practically immune from rust, is the earliest and most bountiful cropper of the heavy growing sorts.

Being a very deep rooter it resists drought more easily than others. The grains are absolutely white, thick and plump and very thinly hulled, making them most valuable as a feeding Oat. Although succeeding best on clay soils it has yielded generous amounts under all conditions. The straw is long, stout, and consequently stands up well, and does not lodge nor twist. Sow three bushels per acre.

Pound, 25 cents; three lbs., 60 cents; peck, 50 cents; bushel, $1.50.

Vick's Improved American Banner Oat

The Regenerated Banner, Grown in the cold North West

This oat still stands at the head of all the oats sold in the market today. This fact is proved by the yearly increase in acreage sown, and the greater territory over which its fame spreads from season to season. The man who placed a trial order last year will order enough for his entire crop this season. An average of eighty pounds has been raised from one pound of seed, and 100 bushels raised from an acre. The grain is white, large, and plump, ripens early; straw stiff and of good length **Postpaid, pound, 20 cents; three lbs., 50 cents. Peck, 40 cents; bushel, $1.40.**

BARLEY

Hulless. Hulless, like wheat, when threshed. Ripens early and yields about ten bushels more per acre than other barley. **Pound, 25 cents; peck, 75 cents; bushel, $2.25.**

Early Russian Six-Rowed. For malting it has no equal; and the yield, as compared with other varieties, is enormous. **Peck, 60 cents; bu., $2.00.**

Champion Beardless. Early and prolific. **Peck, 75 cents; bushel, $2.25.**

Manshurey. The most productive six-rowed variety. Ripens early, with strong, stiff straw. **Peck, 60 cents; bushel, $2.25.**

BUCKWHEAT

Japanese. The yield of this variety is largely in excess of the old sorts The straw is heavier and more branching, kernels twice the size of the old kinds, and it ripens a week earlier. The flour from this variety is superior to that obtained from any other sort, except Silver Hull **Pound, 20 cents; peck, 50 cents; bushel, $1.50.**

Silver Hull. The best for flouring purposes. Kernels smaller than Japanese silvery gray in color. **Pound, 20 cents: peck, 50 cents; bushel, $1.50.**

FIELD CORN. See page 13.

At the pound price, we prepay postage; at the bushel price we ship by express or freight, not prepaid. Prices on pages 36, 37, 38 and 39, subject to market fluctuations without notice.

OUR COLLECTION OF FLOWER SEEDS

That our friends may have gardens that will produce an abundance of blooms for cut flowers as well as for bedding purposes, we have prepared these collections, and offer them at special rates. They are packed before the opening of the season and cannot be changed in any way. **No premium nor discount will be allowed on these Collections, but in all cases we prepay the postage.**

Novelty Aster Collection

Any 6 of the 12 novelties listed on pages 42-49, $1.25; or 12 for $2.25

Vick Quality Aster Collection

Some of our customers wish to grow only a few varieties of Asters and wish these few to be of the very highest quality. For their benefit we have prepared a new Quality Aster Collection including as great a variety of colors and types of flowers as possible. Six superb varieties. Six beautiful shades of color. Six different types of flower. Covers the season from the Early Lavender Gem to the Late Rose King.

Rochester	.25	Giant Purity	.25
Sunrise	.25	Lavender Gem	.20
Royal Purple	.20	Rose King	.25
			$1.40

Collection of six choice varieties, and "How to Grow Asters" postpaid, ... **$1.00**

Branching Aster Collection

This collection gives a full assortment of the colors found in the Branching Class. These are unsurpassed for cutting; a harmonious color scheme for decorative purposes can easily be selected from these eight varieties.

White, Pink, Rose, Crimson, Carmine, Purple, Lavender, Dark Violet

Packet, 10 cents; one packet each of eight colors, 50 cts. postpaid. See page 43

How to Grow Asters Their Culture and Care

Newly revised, enlarged and illustrated this year. Contains many new points of value, and is a practical instructor for the Aster grower. Free with an order for Vick's Aster Seed amounting to 25 cents, or sent postpaid on receipt of 10 cents without order for seed.

Climbing Nasturtiums

Who does not admire a brilliant display of Nasturtiums?

Their glowing colors are always beautiful when seen amid the rich green foliage. The climbing varieties in this collection are the very choicest selections from a large list, while the dwarf sorts have been tested and tried by thousands of our customers.

Eighteen varieties in separate packets, for 50 cents, postpaid. See page 60.

Collection of Dwarf Nasturtiums

Eighteen varieties in separate packets 50 cents.

Snapdragon (Antirrhinum)

The old favorite Snapdragon is growing in popularity as a bedding plant, owing to the great variety of colors and the long time the plants remain in bloom.

Scarlet and Yellow	.05
Striped	.05
Yellow	.05
White	.05
Blood Red and White	.05
Orange and Scarlet with White Throat	.05
Crimson with White Throat	.05
Rose	.05

Collection of eight packets, postpaid, for 30 cents.

Petunia Collection

One Packet Each of the following Five Varieties Petunia for 85c.

Large-Flowering Single, Choice Mixed	.25
Vick's Fringed, Mixed Colors	.25
Giants of California, Mixed Colors	.20
Single-Flowered Bedding, Extra Choice Mixed	.10
Double-Flowered Bedding, Mixed Colors	.25
Post Paid for 85c.	$1.05

Double Zinnia Collection

Eight Separate Colors.

Lilac, Purple, Crimson, Scarlet, Rose, Orange, Yellow, White.

Put up each color in a packet postpaid 30c.

Vick's Collection of

Phlox Drummondii Grandiflora

Phlox is one of the most satisfactory Annuals for bedding, blooming early in June to late Fall. Nothing equals it for massing.

Fourteen different colors in separate packets for $1.10.
Seven different colors for 55 cents.

Vick's Collection of Poppies

A novel as well as showy display is made by a choice selection of Poppies. Novel, because few people grow such a selection as this; showy, because of the combination of colors—white, scarlet, pink, rose, carmine, as well as blotched and striped.

American Flag, Snow White bordered with Scarlet, double	.05
White Swan, Double fringed, White	.05
The Tulip, Large single Scarlet, fine	.05
Cardinal, Large single, in variety of colors	.05
Shirley, One of the best and most showy of the single Poppies. All colors	.05
Golden Gate, Semi-double, a great variety of colors	.05

Collection of six choice varieties, postpaid, for 25 cents.

Collections of Sweet Peas

No flower surpasses the Sweet Pea in popularity, but most people buy just "Sweet Peas" without thought of an assortment of colors or varieties. To overcome this we have for several years put up these two collections and in every case they have given the utmost satisfaction. If you haven't room for a garden you can surely grow a row of Sweet Peas near the fence—and just think how beautiful they are when in bloom. Each variety is packed in a separate envelope. The assortment of 20 varieties gives a general collection of colors, but the 40 varieties furnish a gloriously beautiful display of the best 20th century varieties.

Collection of twenty varieties, postpaid, for 25 cents.
Collection of forty varieties, postpaid, for 40 cents.
For description, see page 68.

Vick's Collection of Verbenas

Striped Scarlet Pure White

Three varieties in separate packets, 25 cents postpaid.

VICK'S FAMOUS ASTERS

JAMES VICK'S SONS have a glorious treat in store for the lovers of fine Asters. New colors! New types of flowers! A wealth of improvement in every direction! For years we have been acknowledged leaders in the production of Aster seed and in the introduction of choice new varieties Our Aster seed, as many of our customers already know, is grown on our own farm. Our Aster fields have been workshops in which we have collaborated with Nature in the production of better and ever better flowers. As a result of our years of work on the Aster our standard varieties have been greatly improved in quality and we have also developed a number of choice novelties which we now offer our customers.

Our Aster Novelties for 1912

	Page
Vick's Early Branching Lavender	43
Vick's Late Branching, Deep Pink	43
Vick's Late Upright, Pink	47
Vick's Royal, White	49
Vick's Royal, Pink	49
Vick's Royal, Lavender	49
Vick's White King	45
Vick's Pink King	45
Vick's Blush Mikado	46
Vick's Pink Enchantress	47
Vick's Imperial Giant Purity	48
Vick's Earliest Lavender	47

Per single packet, **25c.**; Six for **$1.25**; the 12 varieties for **$2.25.** Our book "How to Grow Asters" 22 pages, tells you all about how to grow them. Price **10c.** or free with every Aster order amounting to **25c.**

Vick's Branching Asters

Vick's Branching Asters are known wherever Asters are grown. The plants are large and vigorous, the stems long and strong, and the great fluffy flowers, as we now grow them, are double to the center. There are other Asters, exquisite in form and delicate of color; but Vick's Branching Aster is still the leading Aster in all the flower markets of the country and still holds the first place in the garden of the amateur.

Vick's Late Branching

The flowers of the Late Branching Aster are of extraordinary size, and are borne on long, graceful stems from fifteen to twenty inches in length. The plants are extra large and of strong growth, one plant often covering a space of two and one-half feet square. It is unexcelled for cutting, and is by far the most satisfactory late Aster grown. The plants begin blooming about August 15th and continue throughout the season, but the time of blooming can of course be regulated to some extent by sowing the seed in the house in March or April. If early blooms are desired we advise using Vick's Early Branching.

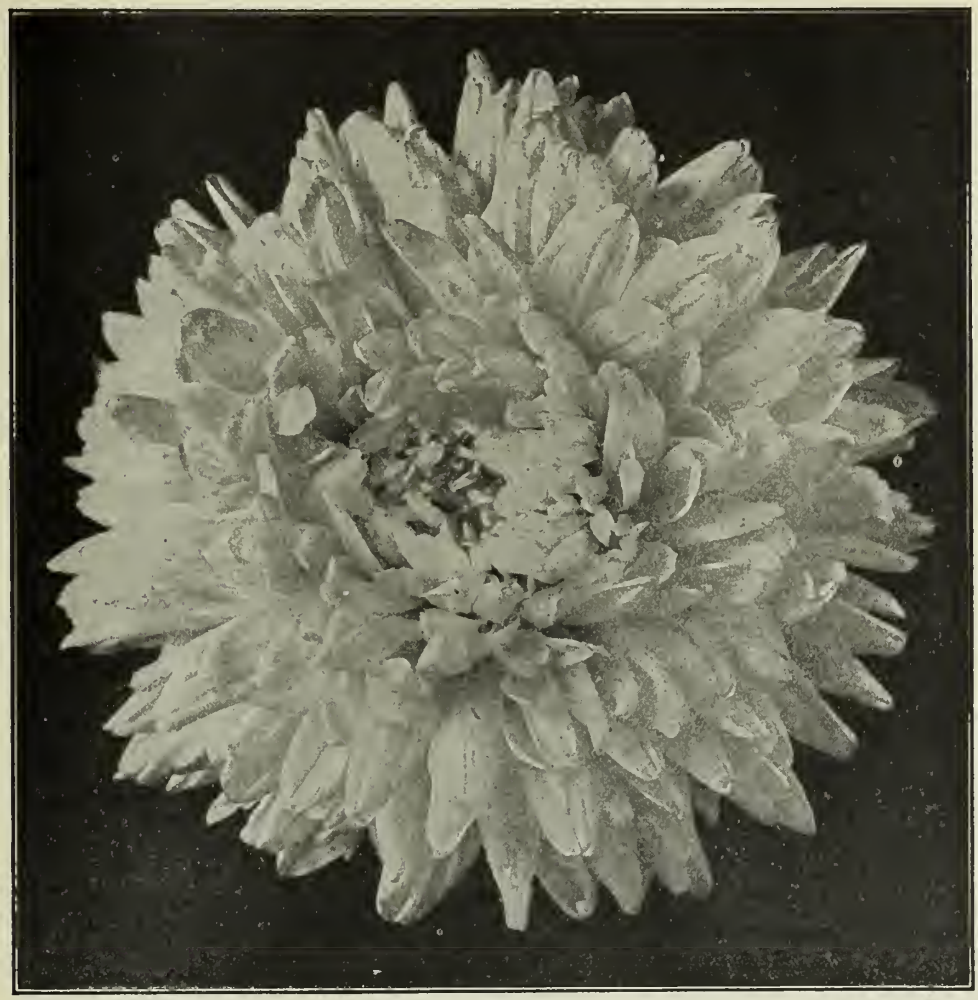
Vick's Early Branching

This is a distinct advance in the Branching Aster class. The plants attain the size and vigor of the famous Late Branching, but produce their flowers from two weeks to ten days earlier. The plants have but few branches, all free from side buds, the whole strength of the plant being given to the development of the extra large, perfectly formed flowers that are borne on long stiff stems, making them especially desirable for cutting, for exhibition or for sale. The Early Branching White was first introduced in 1908, and last year we listed the Early Branching Rose. This year we add the Early Branching Lavender.

JAMES VICK'S SONS, Rochester, N. Y. CHICOPEE FALLS, MASS., Oct. 15, 1911.

Gentlemen:—Without any previous experience on my part as a flower grower of any kind I came to understand from old Aster growers that my Asters were by far the best they had ever seen. Several of them even said that they did not think it possible to produce such large blossoms and such strong, tall, robust plants. Several of your Rose King plants grew to be 44 inches high. Your "Rochester" was certainly wonderful. I had cut-worms, root lice, stem rot, white grubs, the Tarnished plant bug and that holy terror the Penn. Blister Beetle, but succeeded in spite of them all. I followed your 'How to Grow Asters" to the letter and give it all credit, with the seeds, for my wonderful success. This year was only practice, wait until next year and they will be over four feet with eight inch blossoms.

ROBERT J. SPENCE,



VICK'S BRANCHING ASTER

Vick's Late Branching

Snow White. The latest of Branching Asters. Plants exceptionally strong and continuing to produce their great balls of white bloom until after a hard freeze. **Packet, 10 cents.**

Vick's Pink. Opens nearly white, passing to a beautiful lavender pink, lighter in the center. Lasts particularly well as a cut flower. **Packet, 10 cents.**

Semple's Pink. An exquisite shade of light shell-pink. The large flowers are graceful in form. **Packet, 10 cents.**

Peerless Pink. Might well be called an "Improved Semple Pink". It has the same delicate, pleasing shade of pink, but a more double flower. **Packet, 15 cents.**

Deep Pink. (New.) The color of a deep pink Rose. We have had many calls for an Aster like this, with more color than the Light Pinks, and less than the Branching Rose. Beautiful full double flowers. **Packet, 15 cents.**

Rose. Large plants and big, full double flowers of rich, deep rose. Packet, 10 cents.

Crimson. A rich, glowing color, especially effective by artificial light. **Packet, 10 cents.**

Rosy Carmine. Distinct and beautiful—a bright rosy carmine. A lively brilliant color. **Packet, 10 cents.**

Lavender. A good clear lavender. A splendtd strain of this useful color. **Packet, 10 Cents.**

Purple. Beautifully formed, full double flowers of rich purple. **Packet, 10 cents.**

Dark Violet. An extremely deep, glowing color. A deeper shade than Branching Purple. It has a peculiar velvety finish giveing it an appearance of richness that is distinct and striking **Packet, 10 cents.**

Late Branching Aster. Mixed colors. Packet, 10 cents.

Vick's Early Branching

Early Branching White. Packet, 10 cents.

Early Branching Rose. Packet, 10 cents.

Early Branching Lavender. (New) Packet, 15 cents.

VICK'S VIOLET KING

Vick's King Asters

A magnificent class of Asters, distinct from all others in the character of the flower. The long narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

There are few Aster growers who do not know the Violet King, which we introduced in 1906. It has probably won more prizes in the last few years than any other variety in the world. In 1910 we introduced the Rose King, which at once became a great favorite. This year we add two new and beautiful King Asters, differing from the Violet and Rose King not only in color but in habit of plant.

Vick's Violet King

Vick's Violet King blooms at the same time as Vick's Late Branching. The plants have a similar habit of growth but the stems are exceptionally long and strong. The immense flowers are a rich violet purple. The flower is quite thick, with a full center which is usually twisted into a strong "whorl" in the freshly opened flowers. The peculiar formation of the petal makes the flowers doubly effective in appearance. A vase of Violet King Asters is an object not only beautiful, but bold and striking. **Packet, 15 cents.**

Vick's Rose King

Vick's Rose King is a bright, deep rose. It differs in color only from the now well known Violet King. The peculiar formation of the petals is identical and the flower is equally large and well formed. It was first offered in 1910, and at once became a great favorite. At the New York State Fair in 1911 hundreds of our customers stopped to look over our Aster exhibit, and all who had tried it had a word of commendation for the new Rose King **Packet, 25 cents.**

Bellefontaine, Ohio, Aug., 28th, 1911.

Gentlemen.—

I must report to you my success with your strain of Asters grown from seed obtained from yau last spring, especially the Mikado Pink "Rochester". It is surely a beauty. I measured one flower this morning that was just five inches in diameter, four and one-half ones are plentiful. Respectfully yours,

A. M. SNYDER.

New Pitsligo, Aberdeenshire, Scotland, Oct. 19, 1911

Dear Sirs —Your strain of Rochester Asters are the finest I have seen here or elsewhere, even in Aberdeen Show I gained First and two Specials with them at local shows in fact there was nothing to touch them as to quality. Yours truly,

WILLIAM LESLIE

VICK'S WHITE KING

Vick's White King (new)

Ever since the introduction of the famous Violet King Aster we have been working to get a set of colors of this splendid type of flower. The appearance of the brilliant Rose King was encouraging, but, after all, it was the light colors that we were most eager to see. We are now proud to offer our customers two new varieties in the King class, both light colors. The new White King has the same narrow petal as the older varieties, but the petal is not quite so strongly folded. This gives the flower a somewhat softer appearance. The cut flowers have the splendid lasting quality characteristic of the King class of Asters. In season the White King blooms with the Late Branching, and has all the vigor of that famous class of Asters. The plants however are upright in growth, differing in this respect from the Violet King and the Rose King.

Packet, 25 cents.

Vick's Pink King

In color the new Pink King is a beautiful and delicate lavender-pink, very much like the now famous "Rochester" Aster. It has long narrow petals, partially folded lengthwise, and the flowers are borne on upright plants. In fact it is identical with White King in the size, character and quality of its flowers and in the growth of the plant and the season of bloom. The four Kings make a royal group that should be in every garden. **Packet, 25 cents.**

The set of four Kings, postpaid, 75 cents.

How to grow Asters

Newly revised, enlarged and illustrated

A BOOKLET prompted by the questions asked by customers and others in reference to Aster culture. Not a scientific work, but *practical instructions* for the amateur as well as the florist. A summary of our experience in growing Asters from sowing the seed to maturity, including a chapter on *Aster Insects and Diseases and their remedies.* Contains much information of value to Aster growers. **Price, 10 cents or free with an order for 25 cents worth of Vick's Aster seed.**

See Flower Seed Collections on page 41 — among other good offers are three Aster Collections:

Novelty Aster Collection....See page 41
Quality Aster Collection....See page 41
Branching Aster Collection..See page 41

Vick's Comet Asters

The name "Comet" is applied to many varieties and groups of Asters having certain characteristics in common.

The Comet Asters excel all others in their light and feathery appearance and their graceful form. The petals of the Comet Asters are very long and narrow and are curved backward at the ends. In many cases the slender petals are irregularly placed producing a charmingly shaggy effect; again the flower may have the center florets nearly tubular and irregular cut and slashed giving it the appearance of a ragged Chrysanthemum. The plants may be upright as in Giant Comet, Vick's Snowdrift, and Lavender Gem, or, they may be branching, spreading plants as in the Rochester, the Mikados and the "Late Mikado" or Hohenzollern.

VICK'S "ROCHESTER," THE PINK MIKADO

VICK'S MIKADO PINK "ROCHESTER"

No flower introduced in recent years has created such a furor as this magnificent Vick's Mikado Pink Aster, "Rochester" Within a year after we first presented it to the public the Chamber of Commerce of Rochester recommended that it be adopted as the official flower of the city, and requested Mr. Vick to rename it "Rochester." The recommendation was enthusiastically received by the citizens generally, the name was at once changed and illustrations of this Aster immediately appeared in various magazines, programs and advertising matter used by our business houses, while thousands of souvenirs of various kinds—spoons, watchfobs, hatpins, buttons—were sold by Rochester dealers during the Industrial Expositions. The high quality and beauty of Vick's Mikado Pink "Rochester" is now known by the most successful Aster growers all over the country.

The "ROCHESTER" Aster is today the Premier of the Lavender-Pink Asters. Like all the flowers of the Comet class the petals of the "Rochester" are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl across each other in such magnificent disorder as to make the fluffiest Aster we have ever seen. In color it is a most exquisite shade of lavender-pink, being a happy medium between the color of Vick's Branching Pink and Vick's Daybreak. For a mid-season pink this Aster is without a rival. In season it is a little later than the White Mikado. The plants are unusually vigorous and it is not uncommon to find one with a dozen long, strong, graceful stems, each crowned with flowers from four and a half to six inches in diameter. **Packet, 25 cents.**

Vick's Blush Mikado

Immense flowers of the same type as the Rochester, but averaging even larger in size. The season is the same as that of Vick's White Mikado. The flowers open a pure white. They do not show any color until fully opened, when they change to a very delicate pink, a lighter shade than the "Rochester." The plant resembles the Branching Asters in its vigor, and the immense flowers, even when storm laden, are held up by the unusually strong stems. **Packet, 25 cents.**

Vick's White Mikado

The White Mikado was the forerunner of this beautiful group of Comet Asters The great shaggy, white flowers are made up of petals that are curled and twisted so that the flowers resemble fine white Chrysanthemums. The flowers are carried on stems of good length. The plants have a spreading habit, similar to that of the Branching Asters. The White Mikado is among the earliest of the mid-season Asters to bloom, coming immediately after the extra early varieties. **Packet, 25 cents.**

Vick's Rose Mikado. A deep, brilliant rose color Like the White Mikado except color. **Packet, 25 cents.**

Late White Mikado, (or Hohenzollern). Immense, pure white flowers, like great ragged Chrysanthemums, blooming at the same time as the Late Branching Asters It is, in effect, a Comet flower on a Late Branching plant. **Packet, 20 cents.**

Giant Comet

A superb class, having long, wavy, twisted florets, which are formed into a head 3½ to 4½ inches across. One of the most perfect of Asters, and should be included in every collection. The plants are upright in growth and bloom in mid-season.

Separate colors, white, rose, crimson, light yellow, lilac and white, dark violet, rose and white, light blue, light blue and white, azure blue and white, white passing to light blue; the Bride, white passing to rose; any three for 25 cents, each 10

Mixed colors 10

VICK'S EARLIEST LAVELDER (Reduced)

Vick's Earliest Lavender (New)

This beautiful new Comet Aster blooms at the same time as Snowdrift and has the exquisite color of Lavender Gem. It is the only very early variety having this extremely desirable color. **Packet, 25 cents.**

Vick's Earliest Snowdrift

The Earliest White Aster in Cultivation

The leaves are narrow and sparse, and the branches spring from close to the ground. The entire energy of the plant seems given to the production of the slender, upright, stems, crowned with feathery white flowers of the Comet type. The long, recurved petals give the flowers an exceedingly graceful effect, **Packet, 20 cents.**

Seed of the very early varieties should be sowed under glass or in the house, so that plants can be set out early in May. If set out with the late Asters the plants come into bloom while still very small.

Vick's Lavender Gem

When first open the flower is an exquisite lavender, deepening with age. The flower is always full double. The fluffy effect of the Ostrich plume type, to which it belongs, is enhanced by the fact that it bears a large proportion of long, partly tubular florets, which are irregularly cut and slashed, so that the flower looks like a ragged Chrysanthemum. The flowers are borne in profusion on long, slender, wiry stems. The plant is erect and of medium height, branching close to the ground and shows no tendency to produce single or semi-double blooms. It blooms between Queen of the Earlies and Vick's Daybreak, and is classed with the early sorts. **Packet, 20 cents.**

Crego Pink Aster

The Crego Pink is a large Comet Aster with the beautiful shell-pink color of Semple Pink Branching, but a trifle lighter in shade. The plant has the size and the habit of the Branching Asters. It blooms after Vick's Rochester, and before the Branching varieties. **Packet, 15 cents.**

Vick's Late Upright

Branching Flowers Upright Plants

A new strain of Asters combining the upright growth of the earlier varieties with the flowers, the season and the foliage of the Late Branching. The upright habit admits of closer planting and the flowers are less likely to be soiled by storms. Late Upright White has been offered in this list before. We are now pleased to be able to add three more colors to this useful class.

Vick's Late Upright White. Similar in flower and season to the Late Branching, but upright in growth. **Packet, 15 cents.**

Vick's Late Upright Pink, (New). The flowers are very large, full double and of the true Branching type. The color is a beautiful lavender pink, resembling the Vick's Pink Branching, but showing more color in the opening flower. The plants are strong and leafy, showing great vigor. In season, Vick's Late Upright Pink is one of the latest in the whole list, and will furnish fresh flowers after most other varieties are gone **Packet, 25 cts.**

Vick's Late Upright Rose. Identical with Late Branching Rose in flower and season, differing only in its upright growth **Packet, 15 cents.**

Vick's Late Upright Crimson. A deeper, richer, more glowing color than the Late Branching Crimson. The flowers are larger than those of the Branching Crimson and the season is somewhat later. The strong, rugged plants are well clothed with broad leaves. **Packet, 15 cents.**

Vick's Pink Enchantress Aster (New)

Immense flowers of a soft delicate pink, borne on strong upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Asters the color is between that of Vick's Daybreak and the Semple's Pink Branching. This color, although very delicate does not fade. The plants are tall and strong and the flowers are the size of the largest Branching Asters. The flower is made up of broad petals, loosely arranged, and the effect is indescribly soft and pleasing. Nothing could excel in refined beauty a vase of Vick's Enchantress Pink Asters. **Packet, 25 cents.**

VICK'S PINK ENCHANTRESS (REDUCED)

VICK'S IMPERIAL ASTERS

The Imperial Asters comprise a collection of mid-season varieties distinguished by their delicacy of coloring, their profusion of bloom and the extreme doubleness of their flowers. The vigorous plants are upright in growth and produce stems of good length. The large flowers are so double as to be veritable balls of bloom The petals are narrow, straight, and sometimes slightly folded lengthwise. Vick's Daybreak, introduced by us in 1897, and Vick's Purity introduced in 1899 are now the best known and most widely used of all mid-season Asters. We believe that the various other colors will prove equally popular when they are as well known.

Vick's Imperial Daybreak

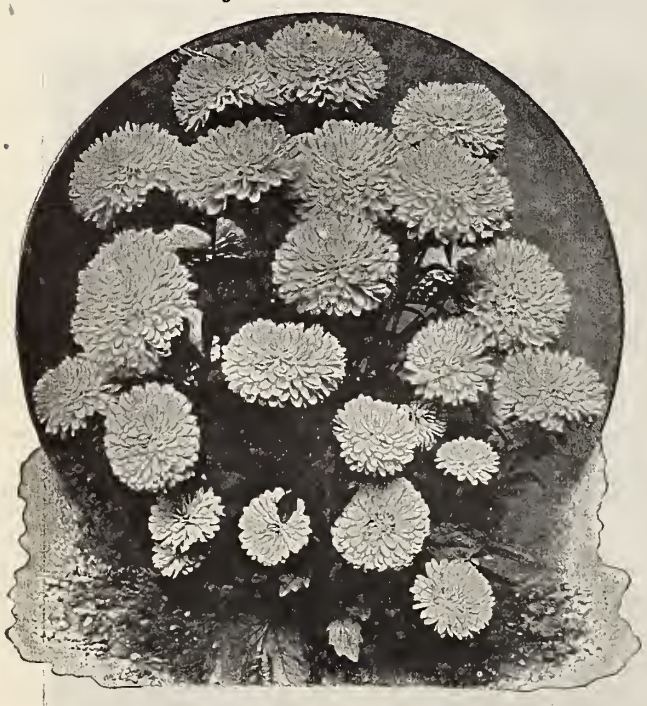
is too well known to need a special description. An extremely delicate sea-shell pink, a color suitable for any occasions. One of the most useful Asters in cultivation. **Packet 10 cents.**

Vick's Imperial Giant Purity

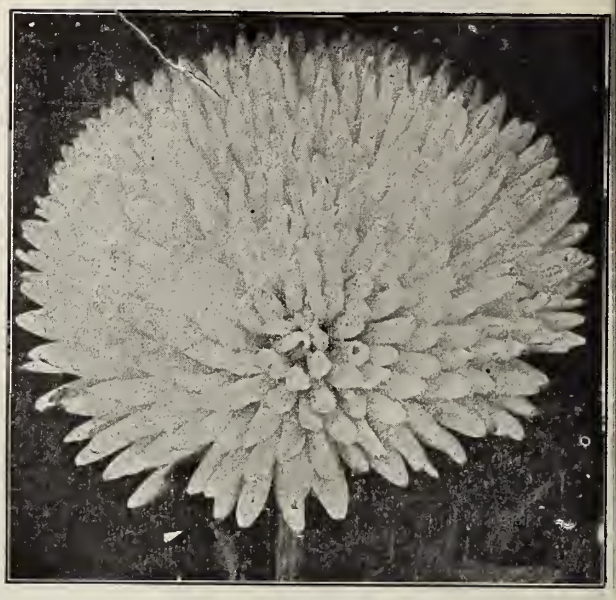
(New) This magnificent, new strain of Purity is bigger and better in every way than the famous original. The tall plants are crowned with snow white globes of bloom fully as large as the flowers of the Late White Branching Asters. This is one of the best of all of the Asters we have introduced. **Packet 25 cents.**

Vick's Imperial Lavender

A delicate shade of palest lavender. Resembles Daybreak in size, in form and in season. The lavender tint is about the same depth of color as the pink of Daybreak. A refined and dainty flower. **Packet 15 cents**



PLANT OF VICK'S IMPERIAL DAYBREAK ASTERS



VICK'S IMPERIAL SUNRISE ASTER

Vick's Imperial Sunrise

Unique in form. Exquisite in beauty. The only quilled Aster that is beautiful when judged by modern standards. This seedling of Daybreak is the strongest growing of any of the Imperial Class. except the new Giant Purity. The flowers are a beautiful clear pink in color, of a little deeper tone than Daybreak. The large globular flowers are made up of long petals that are perfectly quilled. The older varieties of quilled Asters were stiff and formal looking. Sunrise is one of the daintiest flowers imaginable. The soft clear coloring of the slender needless, shading delicately to the center defies description. **Packet 25 cents.**

Vick's Imperial Sunset

A delicate tint of creamy pink shading to a deeqer pink at the center. Imperial Sunset has the general character of the Imperial class. The dainty coloring is unusual in Asters. **Packet, 15 cents.**

Vick's Imperial Salmon

A new color in Asters, A pale shade of pinkish salmon. The freshly opened flowers are a most exquisite color. **Packet, 25 cents.**

Vick's Imperial Yellow

A pale lemon yellow, flushed with pink. Nature does not yield readily to the introduction of the color yellow in the Aster, Imperial Yellow is the only Aster so far produced that combines a decided tint of yellow and a good flower. The flowers of Imperial Yellow and Imperial Salmon are not so large as those of the other Imperials; but they make up in rare and dainty coloring what they lack in size. **Packet 15 cents.**

Imperial Collection of seven separate varieties, $1.00. **Imperial, all Mixed Colors, per packet 15 cents.**

PLANT OF VICK'S ROYAL ASTER

VICK'S ROYAL ASTERS

A new class of Asters in which the petals are very broad and distinctly incurved or shell-shaped. The peculiar shape of the petals gives an effect of shading that enhances the beauty of the color. The flower has a charming grace and a Chrysanthemum-like effect. In size the flowers are like the Late Branching Asters, and the plants have the same sturdy vigor but are not so tall, as they branch close to the ground. In season they are earlier than the Branching Asters, remaining in bloom a long time. Many of our customers already know Vick's Royal Purple, the forerunner of this magnificent class. To this we have added three new colors, we now offer:

Vick's Royal White, (New). The broad petals are a beautiful glistening white. **Packet, 25 cents.**

Vick's Royal Pink, (New). A dainty shell-pink. See last cover page. **Packet, 25 cents.**

Vick's Royal Lavender, (New). Beautiful shade of lavender. **Packet, 25 cents.**

Vick's Royal Purple. A rich deep purple. **Packet, 20 cents.**

VICK'S NEW CARDINAL

The best bedding Aster ever introduced. The nearest approach, in the Aster, to a true scarlet. It has a very long season of bloom. The buds are a rosy carmine; the fully open flowers, which develop quite slowly, are a brilliant glowing cardinal, gradually fading to a deep crimson. The whole plant has a dark, rich color; even the dry and withered flowers retain so much color that the plant does not become unsightly. In the new strain of Cardinal now offered the middle of the flower is filled with long quill-like florets, so that it never shows a yellow center. **Packet, 25 cents.**

VICTORIA

One of the finest. Two feet high; habit pyramidal; flowers large; having, with one or two exceptions, the greatest range of colors of any of the Asters.

White.	Peach-blossom.	Crimson.	Light Blue.
Light Yellow.	Rose and White.	Dark Crimson.	Dark Blue and White
Apple-blossom.	Carmine Rose.	Dark Scarlet.	Violet.

Separate colors, each 10
Mixed colors 10

DWARF VICTORIA

The finest class of Half-Dwarf Asters, and the best for pots. For size, color, and profusion of bloom it is unsurpassed Mixed colors, or dark scarlet, white, rose, dark crimson, light blue, rosy lilac, apple-blossom, peach-blossom; each 10

QUEEN OF THE MARKET

This variety is two weeks earlier than most other sorts. Plants dwarf and branching; flowers quite double; valuable for cutting. White, flesh, light-rose, rose, crimson, light blue, dark blue, and all colors mixed, each 10

BALL OR JEWEL

A beautiful class, selected from the well-known Peony Perfection race, somewhat dwarfer in habit than the latter, with shorter florets; flowers round as a ball. Mixed 10

BOLTZE'S DWARF BOUQUET

Each plant looks like a bouquet of flowers. Fine for edgings or small beds. About twelve different colors mixed 10

CHRYSANTHEMUM-FLOWERED

A desirable class, one foot high. Late, and valuable on this account, as well as for its great beauty. Mixed colors, or white, rose, fiery scarlet, light blue, each 10

COCARDEAU, OR CROWN

Two-colored blooms, the central florets pure white, sometimes small and quilled, surrounded with large flat florets of a bright color. Plant eighteen inches high. Mixed colors 10

LADY ASTER

The distinguishing features of this Aster are its profusion of bloom and the distinctness of its foliage. The leaves are long and narrow, light green in color. The plant is light and graceful in habit, and bears from forty to sixty buds, which develop gradually, affording a prolonged season of bloom. The small flowers are very double, semi-globular, about an inch and a half in diameter, produced on slender stiff stems, and are excellent for floral design work. Mixed colors 10

LARGE-FLOWERED ROSE

One of the very best. Two feet in height; robust. Flowers large, finely imbricated, and of great substance Mixed colors 10

OSTRICH PLUME

A class with pure white and rose-colored flowers similar to Giant Comet, but with longer petals and the plants more free-blooming. Each color . . 10

QUILLED GERMAN

A showy class, from one and a half to two feet high, with quilled flowers and branching habit. Mixed colors 5

QUEEN OF THE EARLIES, or Earliest Paris

An improved strain of our own growing; fully three weeks earlier than any other variety. Should be cultivated by every up-to-date grower . . . 10

TRUFFAUT'S PEONY-FLOWERED PERFECTION

A standard Aster, two feet in height, blooming very freely; the flowers are large, very double, peony-like, the florets mostly incurved. The colors range from pure white to light blue, violet, crimson, rose, and scarlet, each 10

Amethyst. A superb new color in the Peony-flowered race. Flowers white at first, changing with age to a beautiful amethyst. 10

Mixed colors 10

MIXED ASTERS

Tall varieties mixed, ounce, $1.50 5
Dwarf varieties mixed, ounce, $1.50 5

PLANT OF VICK'S CARDINAL ASTER

ALYSSUM

These small white flowers are delicately fragrant and valuable for cutting It is a good basket and pot plant, and valuable for carpet bedding. In the border sow thickly, so as to make a mass. It is desirable to sow the seeds early in spring, or even in the previous autumn. To prepare a basket for winter blooming, sow the seeds about the last of August. If the plants come up thickly, thin them out; a dozen plants are enough for a good-sized basket. When out of bloom cut back, and they will produce another crop of flowers.

Sweet. Hardy annual. Flowers small and sweet. Ounce, 25 cents . . . 5

Benthami compactum (Little Gem). A dwarf, compact, annual variety, not over six inches high, bearing its pure white fragrant flowers in the greatest profusion during the entire summer. Ounce, 70 cents 5

Carpet of Snow. Only two or three inches high. A profuse bloomer, showing as many as 300 heads of snow-white flowers at one time on one plant. Annual 10

Saxatile compactum. Perennial, ten inches high, compact habit, golden yellow flowers. The popular name is Gold Dust 5

AQUILEGIA

Aquilegias are probably better known as Columbines. Thrive well with ordinary garden culture, but are quite at home under the spray of a fountain or by the water side The plants are perfectly hardy and form large clumps from one to two feet in diameter, and produce a large number of flowers early in spring. Seeds may be sown in open ground. Plants can be increased by division of root. Perennial.

Canadensis. Our native scarlet and yellow Columbine 5

Carnation or Striped. White, with red stripes; double. Eighteen inches 10

Chrysantha. A beautiful, large-flowered, canary-yellow variety. Excellent. Three feet 5

Skinneri. Very beautiful. Colors scarlet and yellow. Two feet . . . 10

Cœrulea. (Rocky Mountain Columbine). Flowers large; sky-blue and white. Superb 10

Glandulosa (major). Dark blue, very fine 5

Glandulosa vera. Large, erect, dark blue flowers; pure white corolla. . 10

New Large-Flowering Hybrids. Large yellow, with orange spurs . . 10
Sulphur yellow, with blue spurs 10

Nivea grandiflora. Large white, semi-double flowers 5

Mixed varieties, single or double, each 5

AMARANTUS

AMARANTUS, SUNRISE

These are plants which are striking on account of their foliage or peculiar mode of bloom. In rich ground the plants and leaves are of large size, but the coloring is apt to be less bright. The seed can be sown in the house, in a hot bed, a coldframe, or in a seedbed in the garden, and the plants transplanted into place; or the seed can be sown where the plants are to stand, if the soil is fine and the spots protected. They should be given sufficient space to develop on all sides. Fine in borders of tall plants, or in center of large beds. Annual.

Atropurpureus. A fine variety with blood-red foliage and racemes of flowers in erect masses. 5

Caudatus (Love Lies Bleeding.) Long, drooping "chains" of flowers. Pretty for decorating. Three feet high. 5

Henderi. Foliage beautifully variegated. Two feet 5

Tricolor (Joseph's Coat). Red, yellow, and green foliage. Two feet 5

Sunrise. **The most brilliantly colored of the Amarantus,** lower leaves dark maroon, while the top of the plant is a glowing crimson-scarlet. The plant grows about four feet high, and takes on its most striking colors about the first of August. Seed may be sown outdoors where the plants are wanted, and plants should be thinned about a foot apart. A striking and ornamental plant when placed in front of shrubbery or massed in a separate bed 10

All varieties mixed 5

SWEET ALYSSUM

AGERATUM

The Ageratum is interesting on account of its neat, bushy habit, and its pretty brush-like flowers, which are produced in clusters constantly all through the summer. Seeds may be sown in a mellow seedbed in the open ground, or under glass early in the season. Annual.

Grandiflorum album. A large-flowering pure white variety. The plant is of medium height and vigorous growth, and has luxuriant green foliage, above which the relatively large flowers of beautiful shape are gracefully upheld by long stalks 5

Conspicuum. Fine white, 18 inches 5

Lasseauxii. Compact plant; flowers pink; 18 inches 5

Swanley Blue. A fine, large-flowering dwarf variety: flowers deep blue. Ounce, 30 cents 5

Little Dorrit. Plants six inches high and one foot through, covered with a mass of azure blue flowers. 5

Little Dorrit White. Same as above, except in color of flower 5

Blue Perfection. A new and splendid dwarf dark blue bedding variety, the darkest of all blue Ageratums that can be grown from seed 5

Princess Victoria Louise. A beautiful Tom Thumb variety, differing from all others by its beautifully colored flowers, bright blue with white center, the contrast being really exquisite 5

Mixed varieties. Ounce, 30 cents 5

SNAPDRAGON Antirrhinum

Grow two to three feet high, and are covered with bloom. They are easily raised from seed sown early in spring in warm dry soil. If the plants are not weakened by blooming too much the first year, they will stand over winter. In poor dry soil they bloom best and last longest. To produce good flowering branches for the second season, cut back a number of the branches in midsummer about one-half or two-thirds; then new shoots will start out, which will be ready to bloom the following season.

New Giant-Flowered. Fine flowers, double the size of ordinary sorts, of a rich velvety texture.

Bright Crimson; Brilliant; Chamois; Deep Scarlet; Firefly; Galathe; Yellow; Rose; Striped; White; ounce, 70 cents; each . 10

Extra Fine Giant-flowered Mixed; ounce, 70 cents; each 10

Fine Mixed; Ounce, 50 cents; each 5

Queen Victoria. Very large, pure white, superb 10

Tom Thumb. Very pretty dwarf plants, about six inches high, and of the usual colors described above. Mixed colors 5

ADONIS—Pheasant's Eye

Æstivalis. Flos Adonis, or Pheasant's Eye, has finely-cut foliage and brilliant scarlet flowers. It will do well in partial shade, and may be used to advantage in any corner of the garden. Twelve to eighteen inches in height. It blooms in early summer. Annual. 5

Vernalis. A handsome perennial border plant, about a foot in height. Prefers a light soil. Flowers yellow 5

ALLEGHENY VINE

Adlumia cirrhosa. Sometimes called Wood Fringe, Mountain Fringe, or Climbing Fumitory. This graceful hardy climber deserves a place in every garden. Its delicate feathery foliage somewhat resembles that of the Maiden-Hair Fern, and its panicles of drooping flesh-colored flowers completely cover the plant. For covering trellises, tree stumps, etc., it is very desirable. It is biennial, but re-sows itself, and when once established will remain for years, Sow seed in the spring, in a cool damp place, and transplant in autumn. 10

ASPERULA

Azurea setosa. A charming, profuse blooming hardy little annual, bearing clusters of fragrant sky-blue flowers; adapted for bouquets. One foot 5

Odorata. A perennial of delightful fragrance; it is the Mayflower of the Germans, being used in their Maitrank or May wine. The flowers are pure white, and the whole plant is often dried and preserved for its perfume. If kept among clothes it imparts an agreeable odor to them. Six inches . 5

LADY'S SLIPPER Balsam

The seeds of this popular annual should he sown in the house, or in a warm, sheltered spot in light soil in the garden, after the ground has become warm. When plants are an inch or two high, transplant the seedlings four or five inches apart, so that they may have light and air on all sides, and by the time they are about four inches high transplant to their permanent place. Set the plants at least a foot apart, in well enriched soil. Two feet high.

Improved Camellia-flowered, New White Perfection 10

Improved Camellia-flowered. The flowers are very large, and extra double. A superb strain. Mixed colors 10

Camellia-flowered Deep Blood Red. Very double. Extra fine . . . 10

Camellia-flowered White. Double 10

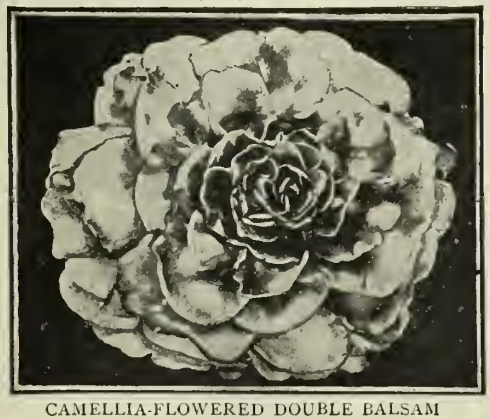
Camellia-flowered Spotted. Very double flower, spotted with white. Mixed colors 10

Camellia or Rose-flowered. Very double. Perfect form. Mixed colors 10

Carnation. Double; striped like the Carnation 10

Solferino. White, striped and spotted with red 10

Common Double. Occasionally only semi-double. Ounce 50 cents . . 5



CAMELLIA-FLOWERED DOUBLE BALSAM

CANNA

The Canna will bloom from seed the first year if the seed is sown early Seeds should be soaked for twenty-four hours in warm water before sowing.

Crozy's New Hybrids. These Cannas are the most gorgeous bedding plants we have. Most of them are dwarf in habit, early bloomers, and remarkable both for beauty and size of flower and foliage. If seeds be sown before April in hotbed or greenhouse, the plants will bloom in July, and continue until frost. These plants may be potted in the fall and kept blooming through the winter, or the roots may he taken up in late fall and kept like Dahlias and re-planted the following spring. Mixed varieties; ounce, 50 cents; each 10

Madame Crozy. Brilliant vermilion-scarlet, bordered with deep golden yellow 10

Alphonse Bouvier. Brilliant crimson, foliage green 10

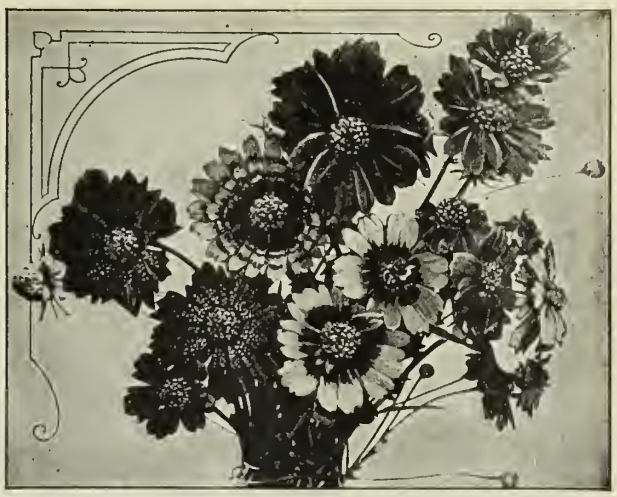
President Faivre. Fine dwarf, dark-leaved variety 10

Queen Charlotte. Crimson-scarlet, bordered with gold. 10

Jules Cretien. Yellow, splasbed with orange. 10

Mixed Tall Varieties of the old types. Among these are many fine colors not represented in the newer sorts. Ounce, 30 cents 5

Dark-leaved varieties mixed, ounce 40 cents 10



CALLIOPSIS

Plants about two feet in height, of slender growth, and should be given plenty of room to spread. The flowers are of various shades of yellow and orange, variegated with rich velvety crimson or maroon. These graceful flowers are excellent for bouquets, their warm and brilliant tints harmonizing well with all other colors. The seed grows very readily, and may be sown where the plants are to flower. Annual.

Coronata. Plants compact and of a bright rich green. Blooms early and continues until late fall. Flowers golden yellow, about the size of a silver dollar 5

Drummondii (Golden Wave). Plants bushy, compact, covered with rich golden yellow flowers, chestnut-brown center 5

Dwarf Varieties Mixed 5

Tall Varieties Mixed 5

TOM THUMB VARIETIES.

The Tom Thumb varieties are admirable for edgings or pots.

Golden King. Fine for cutting. 5 **Bicolor.** Yellow, dark brown center 5

Atrosanguinea. Dark crimson 5 **Tom Thumb Varieties Mixed** . 5

COREOPSIS (Hardy)

Grandiflora. One of the best hardy perennials. Very free-flowering. The large, showy, golden yellow flowers are borne on long stems, and will last a week or more when cut, making them very desirable for that purpose. Will grow anywhere. Two to three feet 10

Lanceolata. Similar to the above. Used extensively for cut flowers . . 10

CHRYSANTHEMUMS

The glorious and showy autumn-blooming Chrysanthemums, so much admired and cultivated, have their relatives among summer annuals, which are easily raised from seed. They are free-blooming, showy border plants, and the flowers are very desirable for cutting. Seeds can be sown in the open seedbed, or where the plants are to stand, provided the plants are thinned out to eight or twelve inches apart. A little shade, or shade in the after part of the day, is desirable. Pinch back until July 15th, to make branching and stocky plants.

ANNUAL VARIETIES

Golden Feather. Plants semi-dwarf, with yellow foliage. Mixed colors 5

Single varieties. Mixed colors 5

Double White, Double Yellow, and Double Mixed, each 5

Hardy Chrysanthemums

Seed of Perennial Chrysanthemums should be sown in February or March, in the house. If slightly covered, and placed in a warm temperature, they will soon germinate. If the seedlings are pricked off at once into pots and placed near the glass, good plants will soon be obtained. By the middle of May they may be planted out of doors. For after treatment see Plant Department.

Marguerite, or Paris Daisy. Elegant bushy plant, one to two feet high. Blooms all summer in the garden, and fine for winter flowering Flowers white, star-shaped 10

Greenhouse varieties. Mixed seeds selected from a choice collection . 25

BARTONIA AUREA—Golden Bartonia. Its large and exceedingly brilliant glossy yellow blossoms are borne well above its gray thistle-like foliage, and are produced in great profusion all summer. Fine for masses or single plants. Seed should be sown where the plants are to stand, as they do not bear transplanting. Annual. Two feet. 5

COCKSCOMB (CELOSIA)

Celosias are interesting and brilliant annuals, and when grown from Vick's Selected Seeds never fail to please the grower and attract attention. There are two desirable forms of the Celosia, the Cockscomb and the Feathered There are several colors, red, orange, and yellow, but the bright reds are the best. These combs are often grown a foot or more across the top.

COCKSCOMB.

Crimson Giant. One of the largest and brightest Cockscombs. 10
Glasgow Prize. Fine dwarf. Dark leaves and crimson comb 10
All-a-Glow. A magnificent large-headed dwarf Cockscomb. Ruffled combs, scarlet edged, with depths of glowing orange-scarlet 20
Dwarf varieties mixed 10
Tall varieties mixed 5

FEATHERED CELOSIA

The Feathered Celosias have feathery plumes of great size and beauty. The following are the best of this class in cultivation, and come true from seed.

Pride of Castle Gould. The new Ostrich Plume Celosia, An entirely distinct type of the Feathered Celosia, and surpasses anything thus far placed on the market Pyramidal compact growth of from two to three feet, with immense extra fine feathered heads, gives the plant a most striking and unique appearance. The following distinct colors are among these Hybrids; Blood-red, Real Carmine, Golden Yellow, Salmon, Deep Scarlet, Dark Orange and Wine Red As a pot plant, with a quick growing habit, we believe there is no finer plant known. For bedding it is unsurpassed by any other annual. Packet, 25 cts.

Superba plumosa. Superb feathered, bright crimson 5
Thompson's Superb Feathered. Splendid. One of the best of the late introductions 10
Golden Plume. Bright golden yellow Habit pyramidal 5
Mixed colors 5

Cypress Vine. Ipomœa Quamoclit. One of the most graceful and beautiful of garden vines. For training upon a light trellis it is unexcelled Its scarlet or white flowers are produced in profusion, and its finely-cut foliage is well adapted to ornamental work. When plants are set in rich soil, where they are to grow, they will reach a height of ten feet; or, if planted thick, they will soon make a screen of the most exquisite foliage and flowers. Soak the seeds over night in warm water before sowing. Scarlet, white or mixed each, per ounce 25 cents 5

CANDYTUFT

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, the seeds being sown where the plants are to bloom. Sow in rows six to eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich and when blooming time comes keep the plants well watered.

Purple, White Rocket, Sweet-scented, Flesh, Extra Dark Crimson, each, ounce, 30 cents. 5
New Carmine. True to color 10
Mixed colors of above six varieties, ounce, 20 cents 5
Empress. A pure white variety, of large size, and the finest in cultivation Strong, free grower, producing large trusses of flowers, on candelabra-formed branches; individual flowers of large size. After devoting several years to selecting and saving seed from only the most perfect flowers, we have succeeded in procuring an extra fine strain of this grand variety. Ounce, 50 cents 10
Dwarf Hybrids. Six inches high, bloom the entire season, fine for edgings. Mixed colors 10

CANDYTUFT, HARDY

Handsome, hardy perennial plants, well adapted for permanent borders or clumps Valuable for early decorating.

Iberis sempervirens. White, one foot. 10
Gibraltarica. Large, showy flowers, lilac, shading to white. One to two feet in height 10

CAMPANULA (BELL FLOWER)

The well-known popular, large, bell-shaped flower, known everywhere as Canterbury Bell, is a biennial Campanula. There are double varieties of every color, but, though curious, they are not really as beautiful as the old single bell; they lose that light transparent grace that is so attractive in a flower.

Medium (Canterbury Bell). Flowers large. Plants two feet high. Biennial
Single varieties mixed 5
Double varieties mixed 5
Calycanthema (Cup and Saucer.) Beautiful flowers, three inches long, saucer three inches across. Plants form pyramids of bloom about two feet high, and bloom profusely for weeks during the early summer 5
Carpatica. Hardy perennial, six inches high, blooming the whole season. White and blue, mixed 5
Pyramidalis. A hardy species, known as the Chimmney Bellflower Plants three feet high, of pyramidal form, bearing hundreds of beautiful cup-shaped flowers. Suitable for the garden or pots. Blue and white, mixed 5
Grandiflora (Platycodon). Hardy perennial, producing large broad bell-shaped, showy, deep blue flowers, during the whole season. Very desirable for planting in permanent borders or among shrubbery. . . . 10

COSMOS

A strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in the house or hotbed in March or early in April, and the young seedlings transplanted to the open ground as soon as the weather is warm, will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across. The flowers are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual.

Mammoth Perfection. A vast improvement over the old sort; flowers double the size, the petals being broader and over-lapping, forming a perfectly round flower. Fine for cutting for bouquets and vases, keeping several days in water, and lasting out doors until cut down by frosts. The foliage is one mass of feathery emerald green. If grown in pots and housed by the end of September, they will flower all winter. Pure White, Pink, Crimson, each 10
Mammoth Perfection Mixed. . 10 **Fine Mixed** 5
Dawn, Early Dwarf, Large-Flowering. More bushy and compact than the other varieties, and grows only about four feet, while all others attain a height of six to seven feet. The flowers are fully as large as those of the old sort, pure white, with a tinge of rose. *They commence to bloom in July* and last until frost 10
Giant-Flowering Lady Lenox. This gigantic Cosmos is six to seven inches in diameter Color shell pink, lighting up beautifully at night; When cut and placed in water it lasts a long time. Plants strong and vigorous, growing six to seven feet high 10

BALLOON VINE—Cardiospermum, Love-in-a-Puff. A rapid-growing summer climber, with small white flowers, followed by curious inflated seed-vessels. Sometimes grown in pots on verandas, etc. Annual 5

CATCHFLY. Silene Armeria. A bright-colored, free-flowering annual, grown largely for spring flower-gardening. Suitable for rock-work or open border. Succeeds in a light, loamy soil. Red, white, and rose, mixed. 5

CENTAUREA

The following Centaureas are perfectly hardy annuals, of easy culture, and are general favorites both for the garden and for cut-flowers. Seed should be sown early where plants are desired to bloom. Plants should stand one foot or more apart each way.

Cyanus (Bachelor's Button, Corn Bottle, and Ragged Sailor, known in Germany as the Kaiser Blumen and Corn Flower). Blooms in almost any situation. Eighteen inches to two feet. Various colors mixed, ounce, 25 cents 5

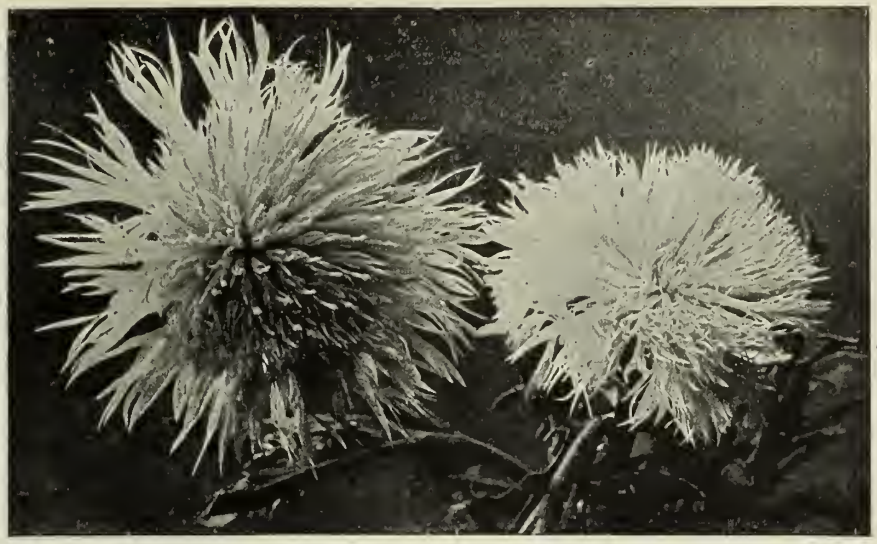
Emperor William. Fine dark blue. 5

Pure White 5

Victoria Dwarf Compact. A charming miniature variety. Fine for pots and edgings 10

Americana. Lilac-purple. The largest flowering of the Centaureas. Plants two feet high. Flowers sometimes four inches in diameter; handsome 10

Suaveolens. (Yellow Sweet Sultan). Bright sulphur yellow; very fragrant, Blooms all summer. Splendid for bouquets. Eighteen inches 5



LARGE-FLOWERED SWEET SULTANS

Large-Flowering Sweet Sultans

These mammoth varieties are great improvements on the old Sweet Sultans. They are as easily cultivated, and succeed everywhere. The flowers are two to four inches across, of graceful form, and of the sweetest fragrance. Being on long, stiff stems, they are admirably adapted for bouquets, vases, etc. They will keep in good condition a week after being cut.

Imperialis A strain of Giant-flowering Sweet Sultan; the finest of all for cut flowers. Blooms continuously from summer till autumn. The flowers are of various colors, from glistening white, through shades of pink, lilac, crimson, and violet, to purple. Very fragrant. Plant vigorous, nearly four feet high, and covered with enormous flowers on very long stems. Mixed colors, ounce, $1.00 10

Odorata. Light blue. Two feet in height. 10

Chameleon. Sulphur-yellow, changing to creamy white, and again to pink. Two feet 10

Margueritæ. Pure satin white. Two feet 10

Silver-Leaved Centaureas—Dusty Millers

These are white-leaved perennial varieties, much used for ribbon-borders and edgings of beds, not being allowed to bloom. Succeed anywhere.

Candidissima. Entire plant silvery-white. Leaves much divided. Flowers purple, ounce 25 cents 10

Clementei. Entire plant densely white-woolly. Leaves broadly cut. Flowers yellow. 10

Gymnocarpa. Whole plant velvety-white. Leaves silver-gray, finely divided. Flowers rose-violet. 10

BRACHYCOME—Swan River Daisy A charming flower in white and blue varieties. Fine for cutting, and the neat slender foliage is well adapted for bouquet making. The plants grow about twelve inches in height and bloom freely. Blue, white, or mixed, each 5

CALIFORNIA POPPY

The brilliant Eschscholtzia is California's chosen State Flower. The plants grow to about a foot in height; the leaves are of a grayish green color, finely cut and divided. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom.

Cross of Malta. Foliage silver-gray; flowers bright yellow, with a broad, dark orange cross in the shape of the Cross of Malta. 5

Mandarin. Inner side of petals a rich orange, the outside scarlet-orange . 5

Golden West. A beautiful variety; color light orange-yellow 10

Californica canaliculata rosea. A beautiful variety The rosy petals are delicately fluted with tiny folds radiating from the center, and richly adorned with a soft primrose-yellow hue 10

Rose Cardinal. A charming variety, producing freely large intense carmine flowers 10

Orange, Yellow, and White, single, separate colors, each 5

Single varieties mixed 5

Double Orange, and Double White, each 5

Double varieties mixed 5

COBOEA SCANDENS

One of the most beautiful annual climbers, of rapid growth, with fine foliage; flowers bell-shaped, almost 1½ inches across and two inches long. In good soil the stems often grow twenty or thirty feet long and cover a large surface; Plants begin flowering when quite young. Put the seed in barely moist earth, *edge down*, and merely cover with light soil. Do not water until the plants appear, unless the soil is very dry.

Purple . . . . . 10 **White** 10

Eschscholtzia California Poppy

DIANTHUS

Known by every one as Garden Pinks

Chinese and Japanese Pinks

The varieties of Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers, and are worthy of particular care. The plants are from twelve to fifteen inches in height. Seeds can be sown under glass in the spring, or in an open, sheltered bed. The young plants are easily transplanted, and should be set from eight to twelve inches apart. Bloom the first summer, and also the second if the flowers are freely picked during the season, and the plants are protected in the winter.

CHINESE OR INDIAN PINK.

Best double varieties mixed, ounce, 50 cents 5

DOUBLE IMPERIAL PINK.

White and Red Striped; White and Purple Striped; Blood Red; White; all colors mixed; each 5

HEDDEWIGII—Single.

A beautiful strain of Japan Pink. The flowers are large and exquisitely colored in pink, rose, purple, maroon, and white, with occasional patterns of black and white; the petals finely fringed.

Crimson Belle. Brilliant dark red; very handsome 5
Eastern Queen. An exquisite rose color 5
All Colors mixed 5

HEDDEWIGII—Double.

The rich color patterns are similiar to those of the single varieties, but the flowers are very double.

Mourning Cloak. Rich blackish crimson, tipped and fringed with snowy-white. Large and handsome 5
White. Large double flowers 5
Diadem Pink. One of the most marked of the Heddewigii varieties. Brilliant markings and dazzling colors. Mixed 5
All Colors mixed 5

LACINIATUS.

Flowers deeply fringed, both single and double, and of very choice colors.

Salmon Queen. A distinct tint; the most brilliant salmon color imaginable, changing into a rosy salmon. Single and double mixed 10
Sanguineus, blood-red 5
Single, all Colors mixed 5
Double, all Colors mixed 5
Heddewigii and Laciniatus, both double and single, mixed 5

Special Mixture of above Annual Varieties 5 cents

HARDY PINKS

All of these varieties have large, brilliantly colored, and handsomely marked flowers. The plants are of easy culture, blooming freely and for a long time.

Dianthus plumarius, (Pheasant's Eye, or June Pink, sometimes called Grass Pink). Fine for massing. Closely related to the Carnation, but smaller flowers and more hardy. Flowers beautiful and fragrant. Perennial. Plants are hardy until they become old. It is best to keep a few young plants coming on. Single varieties mixed 5
Plumarius, Pheasant's Eye, or June Pink. Double 10
Cyclops Pink. New variety of Scotch Pink, producing an entirely new series of colors of exquisite beauty, enlivened by a large eye of velvety blood red. Has a sweet clove-like perfume. Single 10
Semperflorens, Florist's Perpetual Pink. Very sweet-scented, double and single flowers. Great diversity of colors 25

CARNATION PINKS

Seed may be sown under glass in the spring, or in the open ground, and the second summer the plants will flower. Young plants should be procured either from seed or from layers, every year. Perennial.

Early-Flowering Dwarf Vienna. An excellent class for borders and other outdoor uses. Fine mixed 15
Pure White. Very fine 15
Earliest French. (Chabaud Carnation.) Combines the perfect flowers of the perpetuals with the earliness of the Marguerite . . 25
Grenadin. Double scarlet. Dwarf and compact. Early 10
Extra Choice German Seed. Mixed varieties 20
Choicest, Picotee, with white ground 50
Choicest, Picotee, with yellow ground 50
Extra Italian Seed, saved from prize flowers only 50

Marguerite Carnations—Bloom first year from Seeds

Marguerite, Early-Flowering. A most profuse bloomer. Exquisite in color, showing beautiful shades in white, red, pink, variegated, etc. Large size, perfect form, dwarf habit, compact and robust; flowers in a few weeks from seed. Plants can be potted for winter blooming in the house.
White, nearly true from seed. Extra fine . . 10 **Pure Yellow** . . 25
Yellow Ground varieties . . 25 **Mixed varieties,** extra fine 10

Giant Large-Flowering Marguerite or Malmaison. A large-flowering strain of Marguerites; our trials show it to be an earlier bloomer, and the plants stronger than the old sorts **Mixed Varieties** 25

CALENDULA (Pot Marigold)

The well-known Pot Marigold, valued for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round, and make a fine show in the flower-garden. Seeds can be sown in early spring in open ground. Hardy annual. About one foot in height.

Double Sulphur. Flowers large and double. Color light lemon-yellow 5
Meteor. Handsome, double, and beautifully striped, the petals having a creamy center edged with orange-yellow 5
Orange Giant. The finest large-flowered orange. Very double 5
Pure Gold. Flowers golden yellow, extra large and very double 5
Prince of Orange. Fine orange. Double 5
Mixed Varieties 5

DATURA

Large, strong-growing plants, with large, trumpet-shaped flowers. Roots can be preserved in the cellar like Dahlias. Three feet in height.

Wrightii. The best single variety; white, tinged with lilac, sweet-scented . 5
Double varieties mixed Seed per packet 5

DOUBLE DAISY

Sow the seed very early. The flowers are abundant in early spring, and may be continued later by the use of water. Plants can be removed safely even when in flower. Set about six inches apart in a cool border. Perennial.

Best German Seed, mixed colors 10
White. Constant 10
Longfellow. Large, rose-colored flowers. 10
Snowball. Large, perfectly double and pure white, having long stiff stems 15

DIGITALIS or FOXGLOVE

FOXGLOVE—Digitalis

The Foxgloves are quite stately and highly ornamental plants when well grown, with flower-stems at least three feet in height. They are fine for the mixed border, or planted singly in half-shady places near a walk or drive. The racemes of flowers are often two feet in length, containing scores of the prettily-spotted thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden, and transplant as desired

Perennial. Mixed varieties 5

EUPHORBIA

Heterophylla. Known as "Fire on the Mountain," "Mexican Fire Plant," "Annual Poinsettia," and "Painted Leaf." A bushy plant two to three feet high, with highly ornamental leaves, which become flared with dark fiery scarlet, leaving only a small tip of green. Easy of cultivation, growing in places fully exposed to the sun, which brightens and hastens the coloring. It can also be grown in pots and then moved about at pleasure. Annual 5

Marginata. Two feet high; leaves light green and white-margined; called "Snow on the Mountain." Annual 5

HELIOTROPE

This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.

Queen Marguerite. Bears immense clusters of large, deep dark blue flowers, with an exceptionally rich and spicy perfume 10

Dr. Livingston. Fine dark blue clusters . . . 10

Louise Delaux. Rose-tinted flowers 10

White Lady. Large pure white flowers. 10

Giant-flowered. Choicest mixed 10

All varieties mixed 10

THE GOURD FAMILY

The Gourds are prized for their rapid growth and their odd-shaped and highly colored fruits. They are useful for covering arbors, old fences, stumps, etc.

Dish-rag, or Sponge. When ripe the inside resembles fibrous cloth, and is used for bathing, scouring, etc. 5

Balsam Apple and **Balsam Pear** have ornamental foliage. When ripe the golden yellow fruit opens, displaying the carmine interior. Each . . 5

Benincasa cerifera. Pretty wax gourd 5

Serpent Gourd 5

Abobra viridiflora. Beautiful climber, with delicate foliage, and oval, scarlet fruit. 5

Bryonopsis laciniosa. Foliage elegant; fruit scarlet, striped with white 5

Cucumis odoratissimus. Fruit orange-yellow, fragrant 5

Coccinea Indica. Handsome, glossy foliage, and scarlet fruit 5

Wild Cucumber. **Echinocystis lobata.** A fast-growing climber, running 30 feet in a season. White fragrant flowers, prickly seed pods. . . . 5

Momordica Elaterium. Squirting Cucumber 5

One packet of each of the above eleven varieties for 45 cents.

The following are some of the most valuable of the common varieties. The fruits, when allowed to ripen, can be kept for years.

Hercules' Club. Large, long, club-shaped 5

Pear-formed. Yellow and green, cream striped 5

Gooseberry. Small, bright green 5

Egg-formed. Nest Egg Gourd 5

Orange. The well-known Mock Orange 5

Striped Apple. Small, yellow, beautifully striped 5

Calabash. The old-fashioned Dipper Gourd 5

Sugar-Trough, or Sap-bucket 5

Mixed, per ounce, 30 cents 5

GYPSOPHILA

Gypsophilas are valuable for bouquet making, either green or dried. They are very graceful, and easily cultivated. Should be in every garden. All flower the first season. G. paniculata continues to bloom several years.

Muralis. Beautiful, hardy annual; six inches high, forming a dense mass. Fine for edgings. Blooms profusely. Flowers pink. 5

Paniculata. (Baby's Breath). Perennial. White. Fine for cutting . . 5

VICK'S HOLLYHOCKS

In situations suitable for tall flowers we know of nothing better than the Hollyhock; and yet the improved varieties do not grow very high—from four to six feet being about the range. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The plants may be protected during the winter with a little straw and evergreen boughs, or leaves. Biennial. See also Plant Department.

Hollyhock, Double. Very double and fine, from the best named collection in Europe, ounce, $1.25 10

New Fringed Mammoth Allegheny. This grand new flower is a decided improvement on the old-fashioned single Hollyhock. Flowers are single, semi-double, and double, fringed, seldom less than five inches and often seven inches across. Perpetual bloomer. Has from two to four buds where the old style has only one. All colors mixed. 10

Hunnemannia Fumariæfolia

"Giant Yellow Tulip Poppy"

This most beautiful plant forms a shrubby bush two feet in height, with finely-cut foliage, similar to that of the Eschscholtzia, and produces its large tulip-shaped flowers on long stiff stems, from August till November. The color is a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Sow seed early in the spring, in shallow drills, where the plants are to bloom, as they do not stand transplanting. 10

IPOMOEA

The Ipomœas are climbers of rapid growth. Succeed best if started in the hotbed and transplanted as soon as all danger of frost is past.

Bona Nox (Good Night or Evening Glory, Moon Flower). Flowers large, white 10

Giant Pink Hybrid. The soft lilac-pink flowers are produced abundantly all summer and fall. They remain open from about four o'clock in the afternoon until near noon of the next day. The vine branches freely, and the foliage is abundant. Seeds germinate quickly, and plants begin to bloom nearly as early as those of the Morning Glory 10

Grandiflora superba. Fine, large flowers, sky-blue, bordered with white 5

For other varieties of Ipomœa, see Cypress Vine and Morning Glory.

GAILLARDIA GRANDIFLORA (HARDY)

GAILLARDIA

Gaillardias, known as Blanket Flowers, are good bedding plants, being strong constant bloomers, through the whole summer. Flowers large and showy, two to three inches across; fine for cutting, as they last a long time in water. Set plants twelve to eighteen inches apart. Half-hardy.

Picta Lorenziana. Fine double variety. Heads two inches in diameter. Annual 5
Aurora. Double. Red, tipped with yellow. Fine large flower 10
Mixed single annual varieties 5

Hardy Gaillardia

Grandiflora. Perennial. Very large and brilliant flowers of richest colors; crimson, scarlet, orange, and yellow; excellent for cutting. Mixed colors 10

ICE PLANT

Mesembryanthemum crystallinum. A pretty, half-hardy annual, with delicate, succulent, almost transparent branches and leaves. Of drooping habit, adapted to baskets, vase work, and rockeries. Prized for its singular foliage 5

LOBELIA

Exceedingly useful plants for edging of flower beds, their free-blooming qualities and brilliant shades of blue to white making a pleasing contrast to the masses of reds and yellows so prevalent in bedding. They are also elegant for hanging baskets, pot culture, etc. All are annuals except L. cardinalis, which is a hardy perennial.

Cardinalis. Our native Cardinal Flower. Spikes of brilliant scarlet. Blooms first year if well started with heat 10
Barnard's Perpetual. This is the finest Lobelia ever introduced. Flowers a brilliant blue, white eye 10
Crystal Palace compacta. Dark blue. The best for edging and carpet-bedding 10
Emperor William. Light blue; compact; very fine 10
Erinus erecta compacta. Deep rich blue 10
Erinus erecta alba. White 10
Prima Donna. Dwarf, compact. Velvety maroon flowers 10
White Gem. Forms a ball of snow-white flowers 10
Erinus (gracilis). Blue. Fine for baskets or trailing purposes 10
Erinus speciosa (Crystal Palace). Dark blue; very fine 10
Hybrida grandiflora. Large, dark blue flowers, white eye 10
Mixed varieties, for baskets, etc 10

THE SUMMER CYPRESS Kochia Tricophila

Can be planted for an Ornamental Hedge
Makes an exceedingly attractive single Plant

Although this is not a new plant, it is so little known, and so attractive in appearance, that we consider it worthy a place in the garden. It grows two to two and a half feet high, with many slender branches pressed close to the main stem, and resembles a small, closely-sheared evergreen, the slender foliage being light green until September, when the whole plant is a solid mass of crimson. Seeds germinate readily, and may be sown in the open ground about the first of May. The plants should stand about two feet apart 10

PLANT OF SUMMER CYPRESS

HYACINTH BEAN—Dolichos

Lablab. This really beautiful climbing plant is of quick growth; the foliage is handsome, and the clustered spikes of flowers are borne in great profusion. The shining purple seed-pods are also very ornamental. Tender annual, growing six to eight feet. Seed should be sown where plants are desired, in as warm and dry a spot as possible 5
New Japan. A new and beautiful variety, with large, pure white flowers, and waxy white seed-pods. Eight to ten feet 10

JAPANESE HOP

A splendid annual climber, rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is much more dense. Seed sown in the open ground in spring will produce large plants in a short time. Withstands heat, drought, and insects.

Japanese Hop 5
Variegated Japanese Hop. Leaves green and white variegated. 5

LINUM

Grandiflorum rubrum. Brilliant crimson flowers, an inch or more across, and a continuous bloomer. Annual 5
Perennial varieties mixed 5

LYCHNIS (Hardy)

To obtain good flowers the first summer, start under glass and transplant as early as possible.

Chalcedonica. Two feet high, with heads of brilliant scarlet flowers. Perennial 5
Haageana hybrida. Finest of the Lychnis family. One foot in height. Mixed colors. . 5
Viscaria splendens. Flowers bright crimson. A very fine red-flowered hardy perennial . 5

We pay the Postage or Express Charges, unless otherwise noted.
Most seedsmen require you to pay these items.

DOUBLE MARIGOLD

ANNUAL LARKSPUR (Delphinium)

Beautiful plants. They prefer a cool soil and season. Sow seed in fall, or early in spring. The branching varieties grow two feet bigh, and should stand eighteen inches apart. The Rockets should be thinned to five or six inches apart. The annual varieties are very free bloomers, and produce large spikes of flowers, white, pink, rose, ligbt blue, dark blue, and violet. In some varieties the flowers are double, in others single. The beautiful plume-like foliage is very ornamental, and the whole series are excellent for bouquets and table decorations.

Double Dwarf Rocket. One foot in height. Mixed colors, ounce, 25 cents 5
Double Tall Rocket. Large plant; very showy. Two feet. Mixed colors 5
Stock-Flowered. Double. Branching. Fine for cutting. Two feet. Mixed colors 5
Candelabrum. One foot in height; flowering late. Mixed colors 10
Emperor. Compact; brilliant. Two feet. Mixed colors 5

PERENNIAL LARKSPUR

The perennial Larkspurs are valuable plants. Foliage clean and pretty; habit strong and good; flowering branches of some varieties often four feet high; flower spikes six inches or more in length. Propagated by division of roots and from seed. Sow seed in open ground early in spring, and strong plants will be produced by fall that will flower the next spring, and some of them the first season.

Formosum. Brilliant blue, white eye. Three feet 5
Formosum cœlestinum. (Pillar of Beauty). Celestial blue; flowers large; spikes long. Plants three feet in height . . . 10
Nudicaule. Bright scarlet; native of California. One foot . . 10
Chinese. Fine. Two or three feet. Blue white, and [illegible], mixed (home grown) 5
Zalil (Hardy Yellow Larkspur). A lovely shade of sulphur-yellow, bearing spikes of forty to fifty blossoms each, one inch in diameter. Plants one to two feet 10
Large-flowering Hybrids. Three to six feet high. Flowers of various shades; very showy. Finest varieties mixed. Extra fine stock 15

MARIGOLD

The African and French Marigolds are valuable for their flowers in autumn and can be grown to advantage in little clumps with other plants in the front of shrubbery or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly stripped and spotted. The dwarf-growing kinds adapt themselves to spots where the taller varieties would be unsuitable. Seeds can be sown in a coldframe or in a seedbed in the open border, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

AFRICAN MARIGOLDS

Pride of the Garden. The immense flowers of this grand variety are densely double, and of a beautiful golden yellow color. A notable feature is the compact, dwarf habit of the plant, which forms dense bushes fifteen to eighteen inches high and two feet across 5
Eldorado. Flowers very large, ten to fourteen inches in circumference, and extremely double; quilled like a Dahlia; primrose, lemon, orange, and golden shades. Plant three feet in height 5
Lemon Queen. Large lemon-colored flowers 5
Prince of Orange. Large orange flowers 5
Mixed varieties. Ounce, 50 cents 5

FRENCH MARIGOLDS

Striped, yellow and brown 5
Tall varieties mixed. Ounce, 50 cents. 5
Dwarf varieties mixed. Ounce, 40 cents 5
Dwarf Marigold Little Brownie, or Legion of Honor. A charming single-flowered plant, about six inches high. Very effective in masses or borders. Begins flowering extremely early, commencing in June. Color a brilliant gold, blotched with maroon 5
Gold Margin. Excellent. Flowers velvety maroon, margined with gold. Plant only eight inches high, bushy, compact, and free-flowering . . . 5
Tagetes signata pumila. A beautiful dwarf plant, forming a globular dense mass. Fine for bedding or borders 5

FORGET-ME-NOT (Myosotis)

Perennial plants, flowering the first season if sown early. Small white and blue flowers. Seed may be sown in a hotbed and transplanted, or in open ground in spring.

Alpestris. Blue. Six inches 5
Alpestris Alba. White. Six inches 5
Alpestris rosea. Rose. Six inches 5
Alpestris Indigo blue. New, very fine 10
Alpestris robusta grandiflora (Eliza Fonrobert). Large-flowering, of pyramidal habit. Very fine. Blue, with clearly defined yellow eye . 10
Alpestris Victoria. Sky blue, dwarf, strong-growing, globular, abundant. Fine for pots and cutting 10
Palustris (True Forget-me-not). Blue, with yellow eye 10
Vick's Perfection. The finest Myosotis known. Large, bright blue flowers. As an edging plant for beds or the shrubbery border it really has no superior. Plant robust, nine inches high 15
Azorica var. cœlestina. Flowers sky-blue 20
Mixed varieties 5

Malope. Ornamental plants of vigorous growth, branching freely; producing large flowers of deep rosy red, veined darker inside, or of pearl white. Sow seeds in open border, as plants do not bear transplanting.
Grandiflora. Flowers single, rosy red 5
Grandiflora alba. Single, pure white 5

FOUR O'CLOCK or MARVEL OF PERU

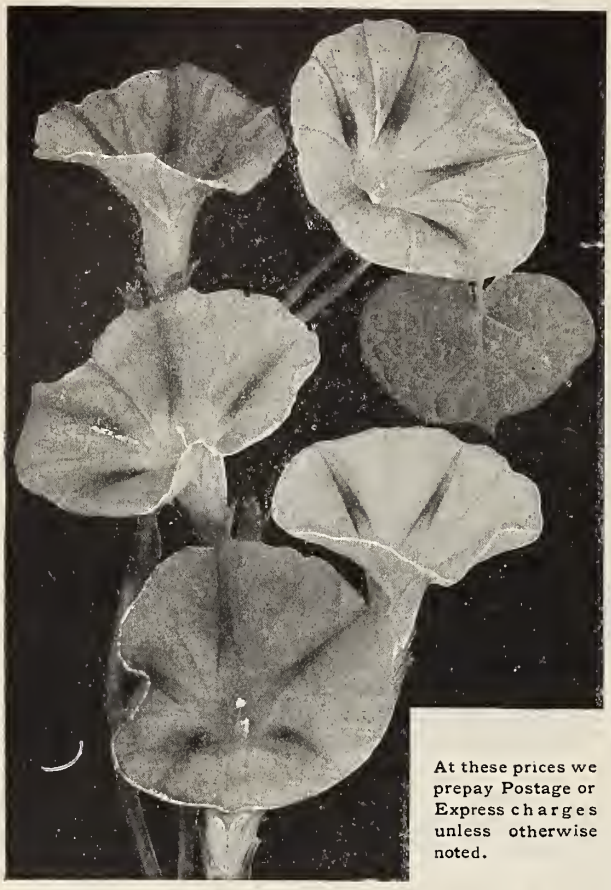
The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. Two feet high, with bright foliage and fragrant flowers of desirable colors. Set plants two feet apart. Makes a nice hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. The roots may be taken up in the autumn and preserved through the winter for spring planting, in the same manner as Dahlias.

Marvel of Peru. Mixed colors, ounce 20 cents 5
Variegated Foliage. Flowers of a variety of colors 5
Long-Flowered White. Sweet-scented flowers three to four inches long 5
Long-Flowered Violet. Same as above, except in color 5
Tom Thumb. Very dwarf. Mixed colors 5

MAURANDYA

Maurandyas are delicate and graceful free-blooming climbers, six to ten feet in height. Suitable for greenhouse or outdoor culture, but especially useful for baskets, vases, etc. The flowers are of good size; colors white, and various shades of rose purple, and blue. Seed should be sown in the hotbed, greenhouse, or in pots in a warm sunny window. Annual

Finest mixed 5



At these prices we prepay Postage or Express charges unless otherwise noted.

MORNING GLORIES

Convolvulus Major

The old Morning Glory. Annual. One of the most free-flowering and rapidly growing plants in cultivation. The richness and delicacy of the brilliant flowers is unsurpassed. The seeds germinate so readily that they can be grown in the garden anywhere the plants are needed, and almost at any time.

White; white and violet striped; white striped with rose; light blue; dark blue; carmine; lilac; incarnata, bright red; atrosanguinea, dark red; each color 5

All the above mixed. Ounce, 20 cents 5

New Double-Flowering. Very fine. About eighty per cent. of the plants will produce double flowers; the remainder semi-double or single . 10

Large-Flowered Morning Glory, Rochester

This grand Morning Glory is remarkable for the large size and beautiful color of the flower. Vines strong, growing quickly twelve to twenty feet high, with magnificent foliage, leaves measuring from eight to ten inches across, and remaining on the vines close to the ground during the entire summer. Flowers four to five inches across, deep violet-blue in the throat, blending out to an azure-blue, bordered with a wide white band around the edge The flowers form in clusters of from three to five, from the ground to the top of the vines 10

Brazilian Morning Glories

Ipomœa setosa. A most interesting climber, with rose-colored flowers from three to four inches in diameter, and leaves eight to twelve inches across. It presents a remarkable appearance, branching in all directions, and intertwining so as to make a mass of foliage impenetrable to the sun's rays. The large seed-pods, with short, reddish hairs on the stems, make it unusually ornamental and attractive. After planting pour on scalding water. 10

Vick's Own Special Strain of Imperial

Japanese Morning Glories

We have given much labor and space to cultivating and improving these large and desirable Morning Glories, and as a result are able to offer a very fine mixture of choice colors, ranging through white with pink throat, white spotted with violet, white spotted with rose, mauve with white throat, lavender with central band of crimson, cobalt-blue with rose bands, violet with blood-red bands, crimson with carmine bands, and purple with maroon bands Their exquisite beauty and enormous size (from four to six inches across), with their innumerable markings and shadings, command the admiration of all flower lovers The vines are strong and robust, attaining a height of thirty to fifty feet. The foliage is large and finely cut; sometimes plain green, and occasionally green beautifully mottled with creamy buff **Sold in mixed colors only.**
Ounce 50 cents 10

MIGNONETTE

Seeds of Mignonette may be sown at any season, so that by having pots prepared at different times, a succession of flowers can be secured Seeds sown early in the garden will give flowers through the summer. Plant in a cool place and it will continue to bloom all through the fall For winter blooming keep in a cool room till buds are formed and begin to show, then bring into a temperature not exceeding fifty degrees at night Very few cultivate the Sweet Mignonette compared with the many that might show their love for this sweet little flower Annual.

Sweet, (Reseda odorata grandiflora.) A well-known fragrant plant
Ounce 15 cents 5

Grandiflora Ameliorata. A large variety, with reddish tinge to the flowers. Ounce 20 cents 5

Giant Pyramidal. A mammoth variety Ounce 60 cents 10

Golden Queen. A very fine and distinct variety, with flowers of a golden hue. Ounce 40 cents 5

Machet. Plant dwarf and vigorous, of good habit, producing large spikes of very sweet-scented flowers Fine for pot culture. Ounce 40 cents . . 10

Golden Machet. This variety has all the excellencies of the popular Machet Mignonette, recognized by all as the best for forcing and pot culture. Plants are of strong, compact habit, bearing long massive spikes of golden yellow flowers. Ounce $1 00 10

Allen's Defiance. Spikes from twelve to fifteen inches long, deliciously fragrant. Spikes have been kept three weeks after cutting, retaining the fragrance till every bud opened. Ounce 50 cents 10

Goliath. Among all the varieties of Mignonette that have been introduced within the last few years this is the best and most distinct The plants are compact in habit, with rich green foliage, and the immense trusses of highly-scented flowers are borne on erect, strong stiff stalks It is especially suited to house culture Ounce 40 cents 10

New Large-flowering Bismarck. Very large, true pyramidal shape Reddish-colored flowers borne on strong stems, well elevated above the dark green, slightly crumpled foliage 10

Parson's White. Nearly white, strongly scented. Ounce 40 cents . . 10

Ruby. A fine strain of Machet. Ounce 50 cents 10

New Hybrid Spiral. Robust plant, long spikes. Ounce 20 cents . . . 5

MIGNONETTE, GOLDEN MACHET

NASTURTIUM

CLIMBING NASTURTIUMS

THESE are among the very best climbers. They require but little attention, for seed sown in the spring of the year in any fair garden soil, not too rich, will produce plants ten to twelve feet in height before autumn. They endure hot and dry weather very well. There are several varieties; the leaves of some being very light transparent green, while in others they are very dark, almost purplish. The flowers are all shades of yellow and scarlet, some of them beautifully spotted. The climbing Tropæolums are excellent plants for baskets, vases, etc. Grown two or three in a large pot, with brush or lattice work support, they make a most showy ornament, which can be moved at pleasure.

Tropæolum Lobbianum

Resembling the tall variety in habit, with beautiful and various colored flowers borne in great profusion. The flowers and foliage are somewhat smaller than the ordinary Nasturtium. Half-hardy annual.

Asa Gray. Yellowish white, very fine 5
Giant of Battles. Sulphur and red. 5
King of the Blacks. Very dark brown 5
Lucifer. Very dark scarlet 5
Primrose. Cream, with brown spots 5
Princess Victoria Louise. Light yellow, with blood-red spots and spurs 5
Choicest mixture, oz., 20 cents 5
Canary-bird Flower. One of the finest of the Nasturtium family, resembling a Canary Bird with expanded wings Half-hardy annual, ... 5

New Climbing Nasturtium

"Hybrids of Madam Gunther." A strain of French origin, most remarkable for the wide range of exquisite colors, showing pink, purple, rose, salmon, light yellow, dark maroon, deep orange, etc., etc; also striped and blotched, mottled and variegated in the most fantastic manner. They are strong growers, climbing five to seven feet, with rich dark foliage. Fine for porches, vases, or trailing on the ground. Half-hardy annual. Ounce, 25 cents 5

Vick's Collection of Climbing Nasturtiums

The dwarf Nasturtiums are extremely popular for making a brilliant bed of color, but the Climbing varieties are coming to their own as ornamental coverings for fences, stumps or low trellises. They bloom freely, and present a great variety of colors. The following eighteen varieties are offered

In One Collection for 50 Cents

Climbing Nasturtiums

Per ounce, 15 cents; packet, 5 cents

Atropurpureum. Dark crimson.
Atropurpureum fol. aureis. Foliage yellow, flowers crimson.
Chocolate.
Dark Orange.
Edward Otto. Bronze, silky.
King Theodore. The darkest
Orange. Very handsome.
Pearl. Creamy white
Prince Henry. Light yellow, marbled with scarlet
Regelianum. Purple-violet
Scheuerianum. Straw-color, brown striped
Scheuerianum coccineum. Scarlet striped.
Scarlet.
Schulzii. Brilliant scarlet.
Schillingi. Bright yellow blotched with maroon.
Vesuvius. Brilliant salmon-rose, dark-leaved.
Von Moltke. Bluish rose.
Yellow.
Mixed varieties. The green seed-pods used for pickles Pound, 80 cents, oz 10 cents 5
Extra choice mixed. ¼ pound, 50 cents; oz, 20 cents 5

TOM THUMB NASTURTIUMS

Nasturtiums are much used for making dense masses of color, the Tom Thumb varieties being especially desirable for this purpose. In the hottest weather they thrive and bloom luxuriantly. When planted in poor soil they flower profusely; if the soil is too rich they run to leaves. Hardy annuals

Aurora. Salmon-rose, mottled and veined . . 5
Beauty. Orange and vermilion 5
Bronze. Beautiful coppery bronze 5
Carter's. Scarlet 5
Chameleon. Mottled crimson, bronze, and yellow 5
Cloth of Gold. Golden-leaved, flowers intense scarlet 5
Cœruleo-roseum. Bluish rose 5
Crystal Palace Gem. Sulphur, maroon spots 5
Empress of India. Dark leaves, crimson flowers 5
Dark Crimson 5
Golden King. Golden yellow flowers Very fine 5
Golden Queen. A beautiful new golden-flowered, yellow-leaved variety . . . 5
King Theodore. Flowers very dark 5
King of Tom Thumbs. Leaves bluish green, flowers brilliant scarlet. 5
Lady Bird. Golden yellow, flamed crimson . 5
Luteum. Yellow 5
Pearl. Light cream 5
Prince Henry. Light yellow, marbled scarlet 5
Regelianum. Purplish violet 5
Rose. Rose, tinted with salmon 5
Ruby King. Foliage dark 5
Scheuerianum coccineum. Scarlet striped 5
Spotted. Yellow, crimson spots 5
Spotted King. Rich orange, maroon spots . 5
Extra Choice Mixture, from named sorts, ¼ pound, 60 cents; oz, 20 cents . . . 5
Mixed varieties, 1 pound, $1 00; ¼ lb., 30 cents; oz., 10 cents 5

VICK'S SUPERB MIXTURE.

Vick's Superb Large-Flowering Pansies

THE PANSY gives an abundance of bloom until after severe frosts, endures our hard winters with safety, and greets us in the early spring with a profusion of bright blossoms. Pansy seed may be sown in the hotbed or open ground. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seeds sown in a cool place in May or June, and well watered until up, will produce fall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth, as they will in rich moist loam. Young plants give the largest flowers. The old worn-out plants should be replaced. If the plants come into bloom in the heat of summer, the flowers will be small at first, but as the weather becomes cooler they will increase in size and beauty. They will flower better in mid-summer if planted where somewhat shaded from the hot sun, and especially if furnished with a good supply of water; but in almost any situation will give fine flowers in the spring and autumn.

Vick's Giant Superb Pansies

No other grower of Pansy seed has yet succeeded in producing a mixture of such high grade as Vick's Giant Superb strain. Since we first introduced it, more than ten years ago, this superb mixture has not been equalled by any mixture offered to the public. The flowers are uniformly of the largest size, the colors striking in their brilliancy and yet retaining all the delicate shades, hues and pencilings that have made the Pansy one of our most favored flowers. Each year we add to this Superb mixture many of the new and high-priced varieties, our aim being to keep it at the very top of all mixtures, and to make it absolutely unapproachable in quality. Packet 50 cents; ⅛ ounce $1.25; ounce $9.00.

Vick's Peerless Pansies

Comprise the choicest of the standard large-flowering sorts, including many of the rare and expensive varieties, such as Bugnot, Odier, Cassier, and Trimardeau types. For size, perfect form, freedom and durability of blooom, and gorgeous colorings, the Peerless Mixture will please the most critical grower of Pansies. For a charming display of show or exhibition Pansies you should try at least a packet of Vick's Peerless. Packet 25 cents; ⅛ ounce, 90 cents; ounce, $5.

Masterpiece Mixture

A new mixture of the choicest varieties of the Masterpiece or Giant Five-spotted class offered for the first time last year. From the many pleasing reports from customers who grew it last year we are satisfied it is one of the most satisfactory mixtures ever introduced. Masterpiece Mixture will give an unusually wide range of colors—white to deepest maroon or black, creamy yellow to orange, dainty rose to brilliant crimson,—in fact, you will be delighted from day to day with the changing colors in your bed of Pansies. We are offering Masterpiece Mixture at a very low price, **30 cents a packet, ⅛ ounce, $1.00.**

Bugnot's Superb Blotched. French strain; a beautiful class. Large flowers, broad blotches, and from the large spots extend delicate pencilings to extreme edge of petals. Seed of our own growing, saved from selected plants. Packet, 25 cents.

Bugnot's Exhibition. Saved from plants obtained from the growers, original seed. Packet, 75 cents.

Cassier's Giant Blotched. A magnificent strain of the popular Odier type. Flowers extra large, of fine form and good substance. Each petal is marked with a large, clearly defined blotch. Packet, 25 cents.

Giant Orchid-Flowered. A distinct new race, embracing many rare shades. Packet, 25 cents.

Odier, or Large-eyed. A superb strain of variously colored, perfectly formed flowers, with dark blotches on the petals. Very showy. Packet, 20 cents.

Parisian Large Flowered Striped. Extra large flowers. A very showy strain. Packet, 15 cents.

President Carnot. A strikingly beautiful variety. Petals pure white with deep violet blotch Packet, 20 cents.

VICK'S PANSIES—Continued

Masterpiece

A recently introduced strain of the Giant Five-spotted class. The general habit of the plants is strong and compact. In summer, when the weather is warm and dry, it maintains a healthy appearance longer than any other Pansy. The large flowers are borne well above the foliage, on strong stems, possess greatest substance, are perfectly round, and contain a rich combination of colors. Each petal is distinctly marked with a very large dark blotch, and most of the flowers are margined with a light, white, or yellow edge. Packet, 20 cents.

Giant-Flowering Varieties

A distinct class. Plants vigorous and compact The flowers are thrown well above the foliage and many of them are marked with large blotches. They are of enormous dimensions—some specimens grown on our grounds measuring over three inches in diameter. We offer the following separate colors of this wonderful strain :

Andromeda. This lovely frilled variety is of a delicate apple-blossom, showing a soft lavender or lilac hue, rendered more effective by a darker lining 20
Adonis. Beautiful light blue 10
Auricula-flowered. Fine shades 10
Bridesmaid. New. Rosy white ground, beautifully blotched 25
Dark Blue 15
Emperor Franz Joseph. White with large violet blotches. A superior bedding variety 20
Emperor William. Ultramarine blue, with violet-purple eye 15
Fire King. Golden yellow, upper petals purple. Showy 25
Freya. Dark purple, with broad pure white margin ; extra fine 15
Golden Queen. Pure yellow 25
Hortensia Red 25
King of the Blacks. Almost jet black. Extra fine large-flowering strain 25
Lord Beaconsfield. Purple-violet, shading to white in the upper petals , splendid . . . 15
Madam Perret. True. Petals frilled. Dark wine, pink, and red shades beautifully veined, all with white margin 15
Peacock. Large peacock-blue flowers, white edged. A superb variety 20
Prince Henry. An extra fine variety of the darkest blue 20
Prince Bismarck. Light brown shades, with dark eye. Extra 15
Psyche. A beauty in form and color, elegantly curled and undulated 20
Ruby King. New. Superb red shades . . 20
Snowflake. Extra fine pure white 15
Striped. Fine 15
White, with Purple Eye 15
Yellow, with Black Eye 15
Mixed varieties, oz., $3 00; ¼ oz., $1 00; ⅛ oz., 60 cents 10

Standard Varieties

Each 5 cents per packet.

Atrosanguinea. Dark red.
Azure-Blue. Extra fine.
Black, with bronzy center Fine.
Bronze-color.
Brown-Red. Various shades.
Cardinal. Brilliant dark red.
Coquette de Poissy. Distinctive mauve color.
Dark Blue. Very rich, constant.
Dark Purple. Rich, deep purple. Fine.
Diana. Cream-colored ; quite distinct
Emperor Frederick. Dark red, bordered with orange-scarlet.
Emperor William. Ultramarine-blue, with violet-purple eye.
Fawn-color. (Prince Bismarck)
Fairy Queen. Brilliant sky-blue, silver-white margin. Very showy.
Fire King. Golden yellow, upper petals purple.
Gold-Margined. Exceedingly beautiful color.
Havana Brown. Beautiful shades of brown.
King of the Blacks. Almost coal-black.
Light Blue. Lovely shades of sky-blue.
Lord Beaconsfield. Deep purple-violet, shading to lighter hue.
Mahogany-colored. A very fine variety.
Meteor. Bright brown.
Mourning Bride. Dark purple, red or white edge.
Purplish Violet. Distinct and fine.
Quadricolor. Distinct. Colors brilliant.
Red Riding Hood. Brilliant red.
Rosy Lilac. Distinct, and very fine.
Silver-Edged. Dark purple, with white border. A charming variety.
Snowy White. Good form and size.
Striped and Mottled. Extra, and very showy.
Victoria. Rich velvety claret-red, large flowers.
Violet, with white border.
White, with dark eye. Very showy.
Yellow, with dark center.
Yellow Gem. Clear yellow, without eye. A gem.

One packet of each of the above thirty-five for $1.25; or any ten for 40 cents.

Mixed Seeds of the above sorts, oz. $1.50; 1-8 oz. 25c.; pkt. 5c.

GIANT-FLOWERING PANSY MASTERPIECE

SEND YOUR ORDER EARLY

Before the "rush season" begins; we can thus give special attention to your wants, and you will have your seeds and plants when spring comes It will be to *your* advantage to Order Early as it will possibly avoid writing about your goods, and this is an annoyance to *you*.

MIMULUS

The Mimulus, or Monkey Flowers (named from the resemblance of the corolla to a mask or face), are beautiful tender plants with almost transparent branches. Fine for baskets, vases, and house culture, and do well planted out where they will be somewhat shaded. Perennial, but bloom the first season

Hybridus tigrinus grandiflorus. As beautifully spotted as the Calceolarias 10
Musk Plant 5
All sorts mixed 5

NICOTIANA

Sanderæ. **The Hardy Annual of the Century.** Among Nicotianas nothing approaches it in point of floriferousness, nor in its graceful and copiously branching habit. The whole plant, from base to summit, is laden with flowers of an intensely glowing rosy-carmine color, and either in flower beds, shrubbery borders, or in the wild garden it is incomparably beautiful and charming. No plant is easier to grow. Sow seed in January , prick out the plants in the ordinary way ; transplant in May to the place where they are to flower ; this is all that is necessary. The care given to the most ordinary annual will suit this new Nicotiana admirably 10
Affinis is one of the best Nicotianas we have ever grown. The plant attains the height of three feet, and at evening and early morning is covered with deliciously-scented, large, white flowers. Easily grown from seed, and cuttings rooted in September will bloom freely in the winter. 5
Sylvestris. Grows about five feet high, with very symmetrical foliage. The very long pendulous flowers are delicately fragrant, and are borne in great profusion 5

NIGELLA

Pretty, hardy annuals, with fine feathery foliage. May be sown in the open ground early in spring.

Damascena. (Love-in-a-Mist) One foot. Mixed colors 5
Damascena nana. Dwarf. Six inches. Mixed colors 5
Hispanica. One foot. Large-flowered. Mixed colors 5
Fontanesiana. Large-flowered Blue Blooms very early 5

Petunia seed will germinate with little difficulty if a reasonable amount of care is used in sowing. First, be sure that the soil is well pulverized; then sow the seeds on the surface, pressing them into the soil by using a small, smooth board and *cover very lightly* with sand or fine soil. Seed sown in a hotbed or coldframe early in the spring, will produce flowering plants in June. Set the plants about eighteen inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. Seeds of Double Petunias do not possess as much vitality as those of the single, neither will all come double. Annual.

Vick's Ruffled Petunias

The most showy Petunias ever offered to admirers of these handsome flowers. Have a bed of Petunias this year that will be the admiration of all your friends

No bedding plants make a more pleasing display than Vick's Ruffled Petunias. The distinct colors and markings make a brilliant show. The plants make a strong growth and bloom profusely. One greenhouse 100x20 feet is devoted exclusively to this strain; in it the plants are grown separately in pots and hand pollinated. This mixture is decidedly in advance of any other foreign or American strain, embracing the greatest range of color and the largest size of flower 25 cents per packet.

GRANDIFLORA, LARGE-FLOWERED SINGLE.

Superbissima. Magnificent flowers, of various colors, with large throats beautifully veined. Extra fine 25
Alba. Large white, fine form. 25
Brilliant. Deep rose. 25
Kermesina. Rich crimson. 25
Maculata. Beautifully blotched and striped 25
Marginata. Pink, veined with rose, and green margin 25
Venosa. Variety of colors, beautifully veined 25
Violacea. One of the noblest of the large-flowered Petunias. Rich violet . 25
Choice mixed. From show flowers . 25

GRANDIFLORA, LARGE-FLOWERED SINGLE, FRINGED.

Alba. White, edges crimped and fringed 25
Brilliant rose. Fringed edge . . . 25
Vick's Fringed. Flowers with fringed and frilled edges; distinct and beautiful; comes true from seed. Mixed colors 25

GRANDIFLORA, LARGE-FLOWERED DOUBLE.

Aurora. Light rose, veined crimson-purple 50
Brilliant rose 50
White 50
Mixed varieties 50

GRANDIFLORA, LARGE-FLOWERED DOUBLE, FRINGED

Brilliant rose 50
Lady of the Lake. Pure white 50
Mixed varieties 50

DOUBLE-FLOWERED BEDDING PETUNIAS.

Compacta nana multiflora fl. pl. Dwarf, compact plant, profuse bloomer. Fine for bedding. Mixed colors 25

One Packet each of the following Petunias for } **85 Cents**

Large-Flowering Single. Choice mixed 25
Vick's Fringed. Mixed colors 25
Giants of California. Mixed colors 25
Single-Flowered Bedding. Extra choice mixed 15
Double-Flowered Bedding. Mixed colors 25

SINFLE-FLOWERED BEDDING PETUNIAS

Bedding varieties are unsurpassed for massing. They will make a more showy bed, giving a profusion of flowers from early summer until frost.

Blotched and Striped, very symmetrically marked 10
Belle Etoile. A beautiful, somewhat large-flowered strain of the above . 10
Brilliant. Rosy carmine 10
Countess of Ellesmere. Dark rose, with fine white throat 10
General Dodds. Beautiful dark red 10
Illustris. Carmine-rose 10
Kermesina. Fine crimson 10
Venosa. Various shades, handsomely veined 10
Extra Choice Mixed. Superb strain 10
Fine mixed 5
New Dwarf Inimitable. A really dwarf variety, forming a compact little plant five to eight inches in height by as much in diameter, covered with regularly striped flowers. Adapted for massing and pot culture . . 10
Snowball. A charming new dwarf pure white variety 10

"Giants of California." This strain, originating in California, is of incomparable size, luxuriance, and beauty. Nearly all the flowers are ruffled or fringed, and measure from four to five inches across. The great variety of colors, blotchings, stripings and veinings make fantastic and beautiful combinations,—some with deep throats of yellow, white, black, green, or maroon, running off into intricate veins. Some of the colors run to delicate shades, while others are deep, rich, and gorgeous 20

PHLOX

The word *phlox* signifies "a flame," and a bed of Vick's Phlox is a dazzling sight. In a good, rich soil, the plants will grow eighteen inches or more in height, and for a mass of splendid colors no annual or perennial will give a more satisfactory return for so little cost. The colors range from the purest white to the deepest blood-purple or crimson, while the clear eye of some of the varieties is peculiarly marked. The Phlox makes a very good border or low summer hedge. The finest effect, however, is produced by planting each color in a separate bed, or in ribbon fashion, its constant blooming making it desirable for these purposes. In selecting the plants, get good contrasts of color, as white, scarlet, and rose. Phlox usually comes very true from seed, so that it is particularly desirable for forming ribbon-beds; and if a plant of wrong color is found it can be easily removed and the place will soon be filled, for the Phlox is a vigorous grower when it has room. Seed may be sown in the open ground as early in spring as the soil can be put in good condition, or in hotbed or cold-frame earlier; and in either case, from June, during the summer and autumn, the plants make a most brilliant show of flowers. Set the plants about one foot apart; if too thick, they suffer from mildew. We grow several acres of Phlox every year, devoting much care to its improvement, and our Phlox Drummondii is the best the world produces.

Phlox Drummondii Grandiflora

The flowers of this section have round petals and larger flowers than the old sorts. These varieties we have found to be nearly constant.

Alba pura. Pure white.
Atropurpurea. Deep purple.
Atropurpurea alba oculata. Dark purple, white eye.
Brilliant. Delicate pink; white eye.
Coccinea. Brilliant scarlet.
Carnea. Flesh color. Beautiful.
Carminea alba oculata. Rose-carmine, white eye.
Chamois rose. Pale rose.
Isabellina. Light yellow.
Kermesina splendens. Vivid crimson; one of the best for massing.
Leopoldii. Splendid rose color, with white eye.
Quadricolor rosea. Rose petals, shaded separate.
Rosea. Beautiful pink, shading to rose, with darker eye.
Stellata splendens. Clear scarlet, white eye.

Price, per packet, 10 cents; any seven for 55 cts. The set of fourteen for $1.10.

Phlox Drummondii grandiflora, choice mixed, ounce, 75 cents . . . 10
Phlox Drummondii, fine mixed 5

Phlox Drummondii Nana Compacta

The dwarf annual Phloxes are very desirable for edgings and ribbon beds and useful for pot culture. They grow six to eight inches in height, forming dense masses of bloom all summer. Of the many varieties the following are the best.

Fireball. Bright scarlet 10
Snowball. Pure white 10
Best varieties mixed 10

Star Phlox

A decidedly unique variety. While the petals of all other Phloxes are entire, in this variety they are partly fringed and partly toothed; the central teeth of the petals are five or six times as long as the lateral ones, projecting like little spines, giving the flowers a regular star-like form. The beauty of the flower is enhanced by a white margin which borders the edges of the petals. There are many distinct colors. **Best varieties mixed** 10

PRIMROSE

In this country Primroses do well in a cold house, but in the open ground succeed best in a northern border. P. vulgaris is the sweet, beautiful English Wild Primrose, so ardently loved by all who spent their childhood days among the green lanes of England. Sow seeds under glass and transplant. Perennial.

Primula auricula. Fine mixed 25
Auricula. From named flowers 50
Elatior (Polyanthus). Fine mixed 10
Polyanthus, Gold-laced. Choicest mixed 25
Vulgaris. Wild English Primrose 10

For other varieties of Primula see Plant Department.

PERILLA NANKINENSIS. A very elegant dark-leaved plant with purplish mulberry-colored foliage. Annual. Eighteen inches in height 5

PYRETHRUM (Hardy)

Handsome herbaceous plants of easy culture. It would be well to sow seeds under glass, but we have grown them by sowing seed in the open ground. Begin blooming in June; by removing old flower stems, a second crop of blooms may be had in autumn.

Roseum hybridum. Double varieties mixed 25
Roseum hybridum. Single varieties mixed 10
Double White Feverfew 10
Golden Feather. Prized for its yellow foliage 10

SENSITIVE PLANT

Mimosa pudica. The Sensitive Plant affords a good deal of amusement, on account of its sensitive leaves, which close up when touched. Seeds should be started under glass. Do not transplant to the open ground until warm weather. Annual 5

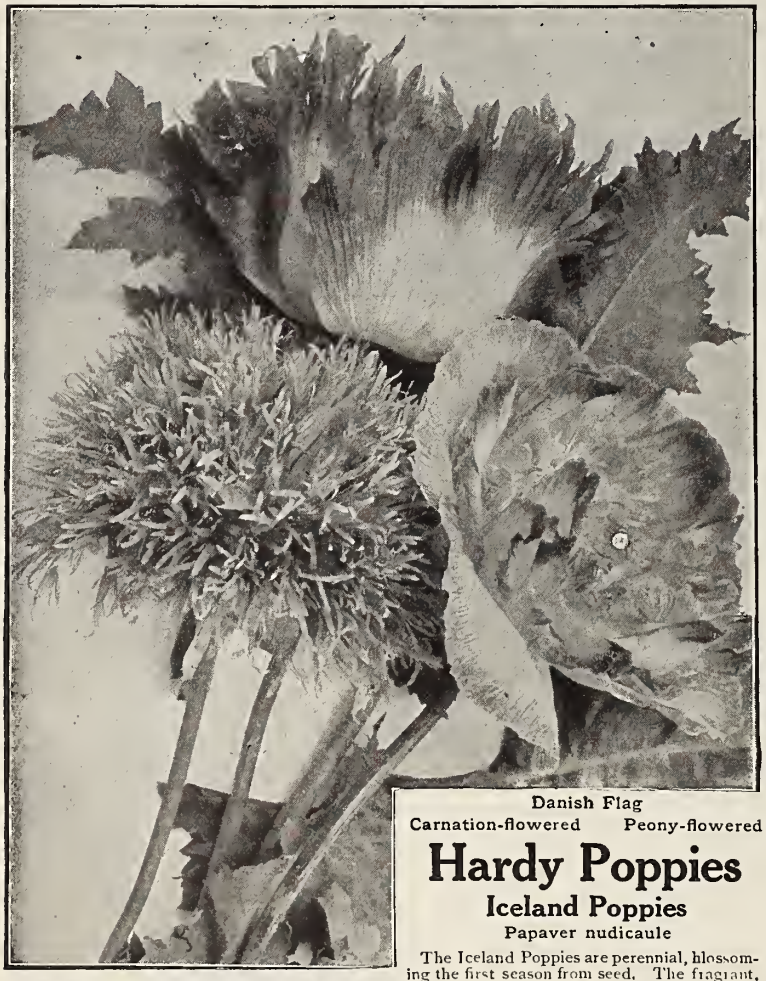
SCHIZANTHUS

The Schizanthus is a beautiful half-hardy annual, of very graceful habit. The flowers are butterfly-shaped, of rich and varied colors, and completely cover the plant. About two feet high. Best varieties mixed 5

LOVE-IN-THE-GROVE. Baby Eyes. Nemophila. Flowers blue and white. They do best if sown in a frame and transplanted early. Set about six inches apart. Mixed varieties, ounce, 20 cents 5

Poppies

Poppies are among the most showy of the garden annuals. From early spring, when the Oriental Poppy brings out its flaming scarlet flowers, until autumn, the garden will glow with the brilliant colors of these old favorites. All the really good varieties are listed below, and a new arrangement this year places the varieties in their proper classes. The colors range from light rose to fiery scarlet, and from pure white to almost black. The flowers are both single, semi-double and double. Plants grow from twelve to thirty inches in height. The plants have strong tap roots, and are difficult to transplant; it is better to sow the seed early in the spring where the plants are to flower.



Danish Flag
Carnation-flowered Peony-flowered

Hardy Poppies

Iceland Poppies

Papaver nudicaule

The Iceland Poppies are perennial, blossoming the first season from seed. The fragrant, elegant crushed-satin-like flowers are produced continuously and in great profusion from June to October. The flowers will last fully a week, if cut as soon as open.

Pure White, Yellow and Orange. Separate or mixed, each 10

Collection of the three Iceland Poppies for 25 cents.

ORIENTAL POPPIES

The single, large, oriental Poppies are a great addition to the herbaceous border, and are of greater value among shrubbery, as they tend to relieve and lighten up the usually dark and sombre character of clumps of shrubs. Flowers very large, five or six inches across.

Bracteatum. Scarlet. Three feet high 5

Orientale. One of the most striking and showy hardy garden plants, bearing great flowers, six or eight inches across, deep scarlet with a bluish-purple base. The plants are very hardy and easily grown from seed. Very large; red. Three feet . . . 5

Involucratum maximum. Fine large scarlet flowers 5

ANNUAL VARIETIES

Tall Poppies—The Opium Type

Growing from two to three feet in height

Vick's Brilliant is a superior variety, of strong, robust growth, two to three feet high. The flowers have a variety of bright colors; pure white with a pink tinge, scarlet, rose, purple, and other shades, and are so beautiful and bright as to be almost dazzling to the eye. Round as a ball; perfectly double . 10

Mikado. Flowers large and loose, resembling the Japanese Chrysanthemum; petals cut and fringed in the most fantastic manner; color pure white, edged with purple 5

Danish Flag. Flowers brilliant scarlet, large silvery white blotch at the base of each petal, forming a white cross on scarlet ground 5

Peony-flowered. A splendid class of large double flowers, with broad petals, resembling a Peony; colors range from white to pink, carmine, scarlet, crimson, and maroon 5

Carnation-flowered (somniferum fl. pl.) Double Opium Poppy. Splendid large double flowers. Deeply fringed; same style as Vick's Brilliant. Mixed colors, ounce, 20 cents 5

Opium Poppy. True, single Pound 90 cents; ounce, 10 cents 5

American Flag. Flowers snow white, bordered with scarlet, large, double 5

White Swan. Large double flowers, elegantly fringed, pure white. 5

Golden Gate. Single, semi-double, and double flowers, in a great variety of colors 5

Small Poppies—The Shirley Type

Growing from 18 to 24 inches in height

Shirley. Flowers exceedingly graceful and elegant; single; colors ranging from blush white, delicate pink, rose and carmine, to bright sparkling crimson, occasionally blotched and streaked with white The best and most showy of all single popies 5

Ranunculus-flowered. Plants two feet high; free bloomers. Flowers double, two inches across. All shades of color, from white to deep crimson . . . 5

Scarlet single. The single Scarlet Corn or Field Poppy of Europe Very gorgeous 5

Umbrosum. Of dwarf habit; branching. Flowers bright vermilion, with a shining black spot on each petal. Very showy 5

The Tulip. An elegant and distinct variety. Plants from twelve to fourteen inches high, producing well above the foliage fifty to sixty large splendid flowers of the most vivid scarlet imaginable. From a mere description no adequate idea can be gained of its strikingly beautiful effect. The plant commences blooming early in June, and flowers abundantly for a period of from six to eight weeks 5

Cardinal Poppy (New hybrids). About eighteen inches high; habit erect and compact. Foliage dark green, deeply laciniated. Flowers chamois and brilliant rose on light ground; purple, crimson, brick rose on black, brown, or violet ground. 5

Hardy Plants Old and New

A book describing and handsomely illustrating Perennial Plants, Roses, Shrubs and Climbers

Contains reliable information about the best varieties for beautifying the home grounds; also a table showing the blooming season, enabling you to obtain a succession of flowers from February to December. The book is richly illustrated by photographs direct from nature. Ask **today** for a **free** copy; it will be mailed to anyone, anywhere.

FLOWER OF SINGLE PORTULACA

PLANTS OF DOUBLE PORTULACA

PORTULACA

No bedding plant equals the Portulaca for places exposed to the hot sun of mid-summer It delights in intense heat, and dry weather seems to have almost no effect on the plants. The plants are of low growth, and spreading in habit, each plant covering a space of about two feet in diameter. The flowers of the double varieties are like small roses, and make a particularly brilliant show Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower, and in making a ribbon bed with Portulaca, wait until the first flower opens, so as to be sure of the color. Annual.

Alba, pure white; **alba striata,** white, striped with rose; **caryophylloides,** rose, striped with carmine; **New Rose,** fine rose color; **Thellussoni,** fine scarlet; **splendens,** crimson; **Thorburni,** straw color; **aurea vera,** deep yellow; **aurea striata,** sulphur yellow striped with gold. Each of the single varieties 5

Fine mixed single varieties, ounce, 50 cents 5

Double Rose-Flowered. A perfectly double variety, as much so as the Rose and of many brilliant colors, as well as striped First quality, mixed colors . 10

Double Rose-Flowered. Seven different colors—crimson, scarlet, rose, white, rose striped with carmine, orange, yellow—each color 15

RICINUS Castor Oil Plant

A Showy Ornamental Foliage Plant for Bedding

In the center of a bed, it gives a magnificent semi-tropical appearance; or planted thick, it makes a fine screen or hedge. Plant seed in open, very rich deep-spaded ground, in a dry situation, as soon as safe in spring. The common Castor Oil Bean is cultivated for the oil, and grows about twenty bushels per acre. Annual.

Macrocarpus. Whitish; beautiful. Six feet, ounce, 20 cents 5

Purpureus. Purple stems and leaves. Magnificent. Six feet, ounce, 20 cents. 5

Borhoniensis. Very beautiful large green leaves. Fifteen feet, ounce, 20 cents. 5

Cambodgensis. The finest dark-foliaged Ricinus. Leaves maroon; stem nearly black; fruit bronzy purple. Five feet, ounce, 20 cents . . . 5

Duchess of Edinburgh. Dark purple stem and leaves. Ten feet, ounce, 20 cents 5

Africanus hybridus. Fine. Stem and fruit rose Six feet, ounce 20 cents . 5

Philippinensis. Very large, beautiful leaves. Ten feet, ounce, 20 cents . 5

Sanguineus. Blood-red stalk and clusters of red fruit. Eight feet, ounce, 20 cents. 5

Castor Oil Bean **Communis,** Pound, 75 cents; **Palma Christi** ounce 20 cents 5

Mixed varieties of preceding. Ounce, 15 cents 5

Zanzibariensis (Zanzibar Castor Oil Plant). New and distinct. The gigantic leaves, two to two and one-half feet across, and the great size of the plant, surpass any other known Ricinus. The luxuriant tropical appearance when planted singly or in masses is matchless. Mixed varieties, ounce 15 cents. 5

Remember that our prices include the Postage or Express Charges on all articles in this Catalogue, unless otherwise stated.

SALPIGLOSSIS

A beautiful flower, delicate in color, and peculiarly rich in its markings

Grandiflora. This has long been one of our favorite flowers, but has never attained the popularity to which it is entitled. Our illustration shows its forms and veinings, but nature only can paint its colors. It is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully penciled. Very effective in the sunlight, which brings out the beautiful tints and veinings Unsurpassed for cutting. Plants about two feet in height. Mixed colors. 5

New Emperor. This variety shows a very marked and striking distinction in habit of growth as well as in its flowers. It forms only one thick main stem about thirty inches high, which is thickly covered with flowers considerably larger than those of the old type, and presents a compact bouquet, in the various rich velvety colors usual to the species—purple, crimson, scarlet, rose, etc.—veined with gold. Mixed colors . . 10

NIEREMBERGIA GRACILIS. Tender perennial. Suitable for house culture, or may be treated as a tender annual. Fine for baskets, vases, etc. Light blue saucer-shaped flowers 5

SALPIGLOSSIS GRANDIFLORA

How to Grow Asters

A booklet giving comprehensive directions for growing Asters from seed sowing to blooming time; also diseases and the remedies. Price 10 cents. **Free with an order for 25 cents worth of Vick's Aster Seed.**

SALVIA—or Flowering Sage

The Scarlet Salvias are among the most brilliant red-flowering bedding plants in cultivation. They bloom from middle of July to frost. Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May, or when the weather is suitable. Massed in a bed, or a row or two around the verandah, they make a beautiful show. Set plants one foot apart.

Clara Bedman (Bonfire). The plants are compact and produce long spikes, of which there are sometimes two hundred to a plant, bearing from twenty to thirty flowers each. For masses on the lawn or in the garden, or in rows along the walks, its brilliant, dazzling scarlet flowers are simply gorgeous 10

New Golden. Foliage a rich golden yellow, constant and distinct. Flowers brilliant scarlet, the spikes large and full, making a striking contrast. Plant only eighteen inches high 15

Zurich. A new dwarf scarlet, growing from 12 to 15 inches high and covered with a mass of brilliant scarlet flowers born on long erect spikes. Begins blooming in June continuing through the season. Fine for massng alone or may be used as a front row for the taller sorts. . . . 10

Splendens. True; large, scarlet 10

Patens. Flowers of a delightful blue 15

CORNFLOWER ASTER

Stokesia Cyanea

This plant grows about 18 inches high, bearing freely, from early July until frost, its handsome lavender-blue Centaurea-like blossoms, each measuring from four to five inches across. It is of the easiest culture, succeeding in any open sunny position, and is not only desirable as a single plant in the mixed hardy border, but can be used with fine effect in masses or beds of any size. We have no hesitation in saying that the Cornflower Aster is one of the most beautiful valuable and desirable hardy plants.

Seed, per packet, 10 cents. Plants, each, 20 cents.

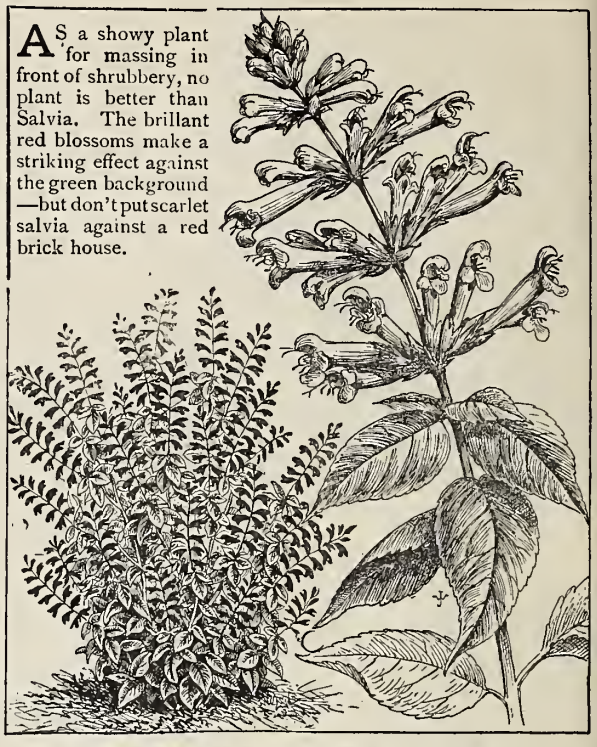
SWEET WILLIAM

James Vick's Sons, Maywood, Ill., Sept. 27, 1911.

Gentlemen:—Would like to write a few words regarding your seeds. They are very good and we are very much satisfied with them. I have never seen such lovely Verbenas and the Phlox did more than good.

Mrs. Olga A. Lueke.

As a showy plant for massing in front of shrubbery, no plant is better than Salvia. The brillant red blossoms make a striking effect against the green background—but don't put scarlet salvia against a red brick house.



SWEET WILLIAM

The best varieties of Sweet William are of exceedingly beautiful colors, very large and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by division of the roots. The colors pass from white to pink, crimson, carmine, and purple; with distinct eye encircled with color differing from the rest of the flower, like Phlox or Verbenas. They make very durable cut flowers. It is well to raise new plants every year from seed, for old plants become debilitated and unsightly, and the flowers decrease in size.

Holborn Glory. New. Magnificent large flowers of the most beautiful shades 10

Perfection (Auricula-flowered). Single varieties mixed 5

Double varieties mixed 5

Dunetti. Single. Blood-red, velvety texture 5

White. Single. Constant 5

SUNFLOWER—Helianthus

Coarse tall plants, from four to eight feet in height, with bright yellow flowers. The double varieties produce a very good effect among shrubbery, and when used as screens. Sometimes reproduced from self-sown seed. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry.

Globosus fistulosus (Chrysanthemum Flowered). Best of the Sunflowers. Very large; double 5

Double Green-centered. Large flower, green center when young; when old perfectly double. Five to eight feet in height 5

Dwarf Golden. Variegated foliage, five to six feet high. Very effective as single specimens. Seventy to eighty per cent. true from seed 10

Extra Double Dwarf. About four feet high. Each branch, from the ground to the top of main stem, bears a golden flower 10

Mammoth Russian. Very large. Usually grown for feed. Per pound, 30 cents; ½ lb., 15 cents; ¼ lb., 10 cents; oz 5

PLACE YOUR ORDER FOR SEEDS EARLY—before the "rush season" opens. We can take care of it quicker, maybe the same day it is received—and you will have everything on hand when planting time comes.

Sweet Peas

ANY ordinary garden soil is well adapted for growing these beautiful and popular climbing plants. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. *Do not wait for fair weather.* Sow the seeds in a trench four inches deep and cover with about an inch of soil. After the plants are well up, thin them to about six inches apart and gradually fill the trench to the level of the garden. When hoeing draw the soil towards the plants, but do not form a ridge. One quarter pound of seed will sow fifty feet. Furnish support early. The one important point is to keep the surface of the soil fine and mellow from the time it is worked up in the spring.

The following list embraces **the most desirable sorts** that have been brought out up to the present time, although we can furnish any of the numerous varieties offered by the trade.

Per packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; ½ lb., 35 cents; lb., 60 cents; unless otherwise noted.

Not less than ¼ pound of a variety at the quarter-pound rate.

White

Dorothy Eckford. Very large, semi-hooded form. A grand flower.
Emily Henderson. Ea ly, vigorous and a profuse bloomer.
Mont Blanc. Extra early. Dwarf.
Nora Unwin. A splendid flower. Extra large and open, wavy form. Packet, 10 cents; oz., 20 cents.
Sadie Burpee—black seeded. The hardiest white Sweet Pea. The buds show tint of pink.

Rose and White

Apple Blossom. Standard crimson pink. Wings white, shaded pink. Hooded form Usually four flowers to the stem.
Earliest of All. Standard rose. Wings white. The earliest form of the well-known Blanche Ferry.

Light Pink

Countess Spencer. The type of a new race. The open-form flowers are of great size and with wavy margins. Countess Spencer is a bright, clear pink, a little deeper at the edges. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents; lb., $1.50.
Countess Spencer Hybrids. Extra large and beautiful Sweet Peas in various shades of pink, orange, salmon and rose.
Countess of Lathom. Light, creamy pink. Hooded form.
Dainty. White, edged with light pink. Hooded form. The long stems usually bear four blossoms.
Florence Morse Spencer. Delicate blush, with pink margin. A lighter pink-edged form of Countess Spencer.
Gladys Unwin. Bright, clear pink, a little deeper at the edges. Countess Spencer form, but a little smaller, lighter color and flowers more freely.
Lovely. Light pink, shading deeper toward the center of the flower. Vigorous and a free bloomer. Hooded form.
Modesty. A delicate tint of pink, a trifle deeper at the edges. Hooded form.
Prima Donna. The favorite soft, clear, pink self. Good size. Hooded form. Vigorous and free flowering.

Primrose and Buff

Hon. Mrs. E. Kenyon. Light primrose. Very large semi-hooded form.
Marchioness of Cholmondeley. Delicate creamy buff. Wings lighter than standard.
Queen Victoria. Light primrose. Buds pinkish. Hooded form. Very hardy.
Stella Morse. Buff, tinted with pink at the edges.

Lavender and Mauve Shades

Lady Grisel Hamilton. The largest and lightest shade of lavender. Standard light mauve. Hooded form.
Lottie Eckford. White, tinted lilac and edged deep blue. Large hooded form, inclined to double.
Mrs. Geo. Higginson, Jr. The clearest delicate lavender, free from mauve tint. Semi-hooded form.

Blue and Purple Shades

Flora Norton. The brightest and clearest blue. Medium size, open form.
Mrs. Walter Wright. Rose purple. Large, hooded form.
Navy Blue. The best dark blue. Distinct and a vigorous grower.

Deep Pink and Rose

E. J. Castle. Bright rose crimson, with veins of deeper rose. Large open form. Wavy edges. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.
Geo. Herbert. Is similar to John Ingman but deeper and brighter color. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.
John Ingman. Rose carmine, with veins of deeper shade. A bold, handsome flower. Very large open form, with wavy edges. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.
Mrs. Dugdale. Crimson rose. Very large shell-shaped flower. Distinct and attractive.
Phyllis Unwin. Is similar to John Ingman but a shade lighter. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.
Prince of Wales. The largest and best rose crimson. Vigorous and free flowering.

Orange Pink

Bolton's Pink. Salmon pink, veined with rose. Large handsome flower. Semi-hooded form. Less orange than Miss Willmott. Packet, 10 cents; oz. 2 cents; ¼ lb., 50 cents.
Helen Lewis. Standard crimson orange. Wings orange rose. Spencer form. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.
Henry Eckford. The nearest approach to orange yellow. Flowers should be shaded on bright days. Packet, 10 cents; oz., 20 cents; ¼ lb. 50 cents.
Miss Willmott. Standard orange pink Wings rose, tinted with orange The best orange pink. The large semi-hooded flowers are borne on long stems

Per packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; ½ lb. 35 cents; lb., 60 cents; unless otherwise noted.

Not less than ¼ pound of a variety at the quarter pound rate

Shades of Red

King Edward VII. The largest and brightest red yet introduced. Crimson scarlet. Open form.

Queen Alexandra. Almost a true scarlet. Semi-hooded form. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.

Salopian. A little deeper shade than King Edward VII. Stands the sun well. Hooded form.

Maroon

Othello. Dark maroon self. Large, hooded form.

Shazada. Standard deep maroon. Wings dark violet. Large, semi-hooded form.

Variegated

America. Crimson scarlet stripes on white ground. The brightest striped variety. Large, open form.

Aurora. Orange rose stripes on white ground. The most attractive striped variety. Large, hooded form.

Jessie Cuthbertson. Light pink, distinctly striped on primrose ground. Large, hooded form.

Mrs. Joseph Chamberlain. Rose, striped on white ground. Very large hooded form.

Mixed Sweet Peas

Vick's "Invincible Mixture," superior selected strains. The mixture introduced as "Vick's Invincible" we know will please the most exacting. For flowers of delicate colors, varying from pearly white to the richest reds and purples, the "Invincible" leads, because it is the result of selecting, year after year, seeds from the choicest flowers. The mixture cannot fail to give satisfaction. Packet, 5 cents; oz. 10 cents; ¼ lb., 25 cents; ½ lb., 40 cents; pound, 75 cents.

Eckford's Gilt-Edge, Special Mixed. Packet, 5 cents; oz. 10 cents; ¼ lb., 20 cents; ½ lb., 30 cents; lb., 50 cents.

Sweet Peas at Wholesale Prices. We offer a fine mixture composed of the standard sorts, at the following prices:

Ounce, 5 cents; ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents

Vick's Banner Collection

Sweet Peas in Separate Colors

The only way to become familiar with the different Sweet Peas is to grow them separately and compare the different varieties Each variety is in a separate packet, properly marked, and with the collection we send a booklet giving cultural directions.

Twenty Varieties, 25 cents. **Forty Varieties, 40 cents.**

The following varieties compose the cream of the list, and as these collections were packed before the busy season we can in no instance make changes.

40 Packets, 40 cents.		20 Packets, 25 Cents.
America.	King Edward VII.	CountessSpencerHybrids
Apple Blossom.	Lottie Eckford.	Dorothy Eckford.
Aurora.	Lovely. [deley.	Flora Norton.
CountessSpencerHybrids	Marchioness of Cholmon-	Helen Pierce.
Countess of Lathom.	Mrs. Dugdale.	Hon. Mrs. E. Kenyon.
Dainty.	Mrs. Geo. Higginson, Jr.	Janet Scott.
Dorothy Eckford.	Mrs. Jos. Chamberlain.	Jeannie Gordon.
Duke of Westminster.	Mrs. Walter Wright.	King Edward VII.
Earliest of All.	Miss Willmott.	Lottie Eckford. [deley.
Florence Morse Spencer.	Modesty.	Marchioness of Cholmon-
Flora Norton.	Mont Blanc.	Mrs. Geo. Higginson, Jr.
Gladys Unwin.	Navy Blue.	Mrs. Walter Wright.
Golden Rose.	Othello.	Miss Willmott.
Helen Lewis.	Prima Donna.	Modesty.
Helen Pierce.	Prince of Wales.	Navy Blue.
Hon. Mrs. E. Kenyon.	Queen Victoria.	Othello.
Janet Scott.	Sadie Burpee.	Prima Donna.
Jeannie Gordon.	Salopian.	Prince of Wales.
Jessie Cuthbertson.	Shazada.	Salopian.
Lady Grisel Hamilton	Stella Morse.	Sadie Burpee.

PERENNIAL PEAS

Perennial Peas. Perfectly hardy. Grow five feet high. White, Red, Rose, or mixed varieties; each 5

Spencer Sweet Peas

The seed of these varieties is absolutely fresh. No better can be purchased anywhere at any price.

The forerunner of this new type was Countess Spencer. The Spencer Sweet Peas are distinguished by the vigorous growth of the plants and the size of the flowers, which have a diameter of two inches under favorable conditions. In addition, the long stemmed flowers have wavy or fluted petals. In some of the Spencer varieties this fluting is very pronounced. It should be borne in mind that favorable conditions of soil and moisture are necessary to bring these magnificent flowers to perfection.

America Spencer. The strain we offer is first-class, being beautifully striped, flaked and splashed—a pure bright red on a ground of glistening white. The plant is wonderfully free flowering; the stems are long and bear uniformly four blossoms each, all very large, very wavy and extremely bright and effective. Packet 15 cents.

Black Knight Spencer. Deep maroon, same as parent with wavy standards and large wings. Packet 15 cents.

Blanche Ferry Spencer. A vast improvement in form over the old standard variety. A wonderfully bold and striking flower. Packet 15 cents.

Dainty Spencer. A white variety with a distinct pink edge. Flowers large, wavy, delicate and beautiful; borne on long stems and come uniformly four blossoms to a stem. Packet 15 cents.

Ethel Roosevelt Spencer. A true waved variety of the largest and most perfect Spencer form. The ground color is a soft pleasing primrose, or straw color, overlaid with dainty flakes and splashes of blush crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish ground work. Packet 25 cents.

Marie Corelli Spencer. Intense glowing, rose crimson, or a bright rose red, similar in color to Prince of Wales. This variety is especially large with very large drooping wings. Comes four blossoms to a stem and is a very vigorous grower. Packet 15 cents.

Mrs. Walter Wright Spencer. Rosy mauve, a new form of Spencer of great beauty. Large bold flowers and an abundant bearer. Packet 15 cts.

Princess Alice Spencer. A beautiful shade of light lavender slightly tinted with white. Princess Alice is fully up to the true Spencer standard. Packet 15 cents.

Princess Katherine Spencer. A grand new white variety, giant in size and most beautifully fluted. The buds and newly opened flowers are delicately tinted with pink and being a black seeded variety it is hardy. Packet 15 cents.

Senator Spencer. The ground color is ivory and the stripes, flakes and splashes are of seal brown, chocolate and heliotrope. The general effect of the blossom is brown and a bunch is really very attractive. Packet 15 cts

W. T. Hutchins Spencer. Soft, delicate shades, being buff and straw, with margin and edges of light apricot pink. It bunches beautifully and contrasts nicely with the orange pink varieties. It opens early in the season and is most satisfactory all through the summer. Packet 15 cents

Superior Mixture of Spencer Sweet Peas

This mixture is made in our own seedhouse, and contains the best of Spencer Sweet Peas. We know just what goes into the mixture and we are sure you will be pleased with the assortment at blooming time. Packet 10 cents; ounce 25 cents; quarter pound 50 cents; half pound, $1.00; pound, $1.90.

TEN WEEKS STOCK

The Ten-Weeks or Annual Stock has nearly or quite all the requisites of a perfect flowering plant—good habit, fine foliage, and beautiful flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold-frame, but transplanting should be done when the plants are just out of the seed-leaf. Make the soil deep and rich, and set the plants a foot apart. If plants that are not too far advanced are carefully potted in the fall, they will flower finely in winter in a house that is tolerably cool and moist. For this purpose sow seeds late in the season. Although not a constant bloomer, like Phlox, the flowers endure for a long time, and the side shoots give a succession of blossoms when the plant can obtain a needed supply of moisture.

Largest-Flowering Dwarf. In colors, white flesh-color, aurora, apple-blossom, rose, carmine, shining purple carmine, crimson, blood-red, light-blue, violet, each 10

Largest-Flowering Dwarf. From pot grown plants. Dwarf habit, with magnificent large spikes of large double flowers. All colors mixed 10

Dwarf German, from field-grown plants. Mixed colors 5

Large-Flowering Pyramidal Dwarf. Of pyramidal habit; long spikes of large flowers. Choice colors mixed 10

Large-flowering Pyramidal. Celestial blue. Excellent color 10

Snow Flake (Forcing). This variety of Dwarf Wallflower-leaved Large-flowering Stock is the earliest white, and one of the earliest of all Ten-weeks Stocks. Admirably adapted for forcing. The snow-white flowers are uncommonly large and double. Seed produces about 60 per cent. of double-flowering plants 25

Dresden Perpetual (Cut-and-Come-Again, or Princess Alice.) Pure white. Plants of robust growth and branching habit. If sown early commences blooming in June and continues until frost, producing flowers in September and October, when other varieties have faded. Fine for cutting. 10

Large-flowering Wallflower-leaved. Smooth, dark, shining leaves. Dwarf. Set six inches apart. Mixed colors 10

Wallflower-leaved White. A beautiful variety, the flowers being the clearest possible white, contrasting grandly with the dark green, glossy foliage. Grown largely for cut flowers 10

Wallflower-leaved Blood-red. The deepest red of all the Stocks. A very choice variety, prized by florists for cutting 15

Early Large-Flowering Winter Stock

Giant Nice White. Very fine variety. 10

Giant Nice Yellow. Excellent 10

Beauty of Nice. Strong spikes, with large flowers of a delicate fleshy pink 10

Queen Alexandra. New. Rosy lilac, similar to preceding. Splendid . 15

Crimson King. New. Brilliant fiery crimson. Beautiful 10

VICK'S VERBENAS

Brompton Stock

Both plant and flowers are larger than the Annual stock, and the spikes longer and bolder. The Brompton Stock is not hardy, but plants can be removed to the house in the fall, where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden. Biennial.

Empress Elizabeth. Splendid. Immense spikes of bright carmine flowers. Superb both for pots and cutting 15

Best mixed colors 10

SCABIOSA—MOURNING BRIDE

The Scabiosa is an old favorite, and of late years has been greatly improved. The flowers are borne on long wiry stems, in white, yellow, pink, scarlet, crimson, and maroon. Beautiful in the garden, and excellent for bouquets. Twelve to eighteen inches high. Annual.

Double Tall. Mixed colors 5

Double Dwarf. A pretty compact plant. Mixed colors 5

Double Yellow. A distinct color, obtained after years of careful selection. 10

Double White (Snowball). Pure white 5

Royal Purple. Large-flowered double. Color rich claret 5

"Green Gables"
Plainfield, Vermont,
September 11, 1911

I had a package of your "Masterpiece Mixture" pansy seeds this spring and I never had or saw such glorious pansies as I have now. Yesterday I picked one which measured 2⅜ inches one way and two the other. Yours truly,
MRS. H. F. BARTLETT.

SWEET ROCKET

The Sweet Rocket is a very hardy perennial, bearing clusters of single flowers, which are fragrant during the evening. Colors purple and white. The plant, with fair culture, will grow eighteen inches high. Seed will germinate readily in open ground. **Sweet Purple, Sweet White,** or mixed, each . 5

SHASTA DAISY

A very hardy perennial, blooming better and more abundantly each season and continuing to bloom for several months. The pure white flowers are from two and one-half to four inches in diameter, and are borne on single, long, stiff, wiry stems. The blooms when cut remain perfectly fresh and in good condition for two weeks or more. **Seed, per packet, 10 cents. Plants, each 20 cents.**

VICK'S VERBENAS

Unrivaled as low growing bedding plants. The following are really the only varieties of merrit that are imported into this country

Very few plants will make such a gorgeous display during the summer months as the Verbenas, or furnish more flowers for cutting. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual. They flower in July, and continue strong and healthy until destroyed by frosts.

Auricula-Flowered or White-Eyed. Mixed colors 10

Striped. Excellent flowers, with Carnation-like stripes 10

Scarlet. Brightest scarlet. Quite true 10

Pure White. Quite true from seed. 10

Cloth of Gold. The golden yellow leaves present a unique appearance. Fine Mixed 10

Cœrulea. Blue shades 10

Lutea (Primrose). Yellow 10

Pink 10

Purplish Violet, with large white center 10

Verbena hybrida. **Extra large flowers, fine mixed colors, choice seed, saved only from the most beautiful named flowers,** ounce, $2.50 10

Mixed colors 5

Vick's Zinnias

A bed or border of Vick's Giant-flowering Double Zinnias, in either mixed or separate colors, is surprisingly beautiful in the range of colors, as well as the size and perfection of the flowers. Seed sown in the open ground will produce strong plants, which will thrive and bloom from early summer until killed by late frosts. Set plants from twelve to eighteen inches apart. The young plants can be easily transplanted if desired.

GIANT-FLOWERING DOUBLE

Plants of vigorous growth, about three feet high, bearing profusely their perfectly-formed double flowers, from four to five inches in diameter.

Scarlet Striped Gold 10
Citron-Yellow. 10
Queen Victoria. A variety of vigorous growth, with very double pure white flowers about four inches in diameter 10
All colors mixed 10

LARGE-FLOWERING TALL DOUBLE.

Separate Colors—lilac, purple, scarlet, rose, crimson, orange, yellow, white—each. 5
One packet of each of the above eight varieties for 30 cents.
All colors mixed, ounce, 50 cents 5
Curled and Crested. A beautiful strain of this popular plant, showing on each plant from 100 to 200 large double flowers, the petals being crested, twisted and curled into graceful and most fantastic forms. The colors comprise all the beautiful shades characteristic of the Zinnia . . . 5

LARGE-FLOWERING DWARF DOUBLE.

Only two feet high; compact-growing. Flowers very large, double to the center, and of perfect form.

Eight separate colors,—crimson, scarlet, yellow, orange, purple, violet, salmon, and pure white; each color 5
One packet of each of the above eight varieties for 30 cents.
Choicest colors mixed; ounce, 50 cents 5
Double Striped. A class embracing colors of the Large-Flowering Dwarf Zinnias, with striped and blotched petals. They grow about 50 per cent. striped, remainder solid colors. Mixed colors only 10

LILLIPUT VARIETIES.

Exceedingly pretty plants, fifteen inches high, and thickly branched. Flowers but little larger than a Daisy in size, very double, and freely produced all summer and until late in fall. Fine for pots, as well as for groups and borders.
Golden Gem. Scarlet Gem. White Gem. Orange Gem. The four for 30 cents; each . . . . 10 Mixed Colors 10

TOM THUMB

Varies from four to twelve inches in height, and from six to fourteen inches in diameter, forming compact, free-flowering, pigmy bushes, suited for edgings, small beds, and pot plants. Mixed colors 10

Vick's Collection of Zinnias

Attention is called to the magnificent colors of the flowers of the Large-Flowering Zinnias. It is not long since the Zinnia was considered a coarse plant, with muddy color effects in the flowers, and we must confess that we are surprised at the improvements made in the past few years. On our trial ground Zinnias were grown beside Dahlias, and the solid colors equaled in brilliancy the more aristocratic flower. We are sure that any who purchase the collection in separate colors will be more than pleased with their investment.

Tall Double Zinnias, Eight separate colors
Lilac, purple, crimson, scarlet, rose, orange, yellow, white, **in one collection for . . . 30 cents**

WALLFLOWER

These deliciously fragrant half-hardy perennials should be better known. By growing plants in the garden and transplanting to pots in the autumn; or better, by placing plants in pots when taken from the seedbed, and sinking the pots to the rim in earth, good plants will be secured for winter flowering in the house. Give a cool room and plenty of water, or they may be protected in a coldframe during winter, and planted out in May. Where winters are not very severe the Wallflowers make most desirable plants, giving plenty of early spring flowers
Fine mixed colors, double 10
Flowering first season fine mixed colors, single 5

THUNBERGIA

For house culture, baskets, and vases, there are few plants superior to the Thunbergia, as they are beautiful, rapid-growing annual climbers, with pretty flowers (white, buff, or orange, with dark eyes) borne in profusion Seeds start slowly at first, and should be sown in a hotbed. When the plants are a few inches high transplant to a light, rich, loamy soil in the garden. They may be used very effectively in beds, pegged down. Mixed colors 10

VIOLETS—"Viola cornuta"

This is a beautiful old border flower which, since its introduction into the summer flower-garden, has been taken in hand by the hybridizer, and many lovely forms of it now enrich our collections. It commences to flower in the early season and continues until frost. Habit and constitution robust; flowers large and delicately fragrant.

Viola cornuta Admiration. Magnificent flowers of a beautiful dark blue 10
Viola cornuta. Dark blue, lavender, and white. Sold only in mixture . . 10
Viola cornuta. Tufted Pansies. All the finest colors mixed 10
Viola lutea grandiflora (splendens). Large yellow 10

VINCA—Madagascar Periwinkle

The Vincas are very ornamental, and bloom freely from early summer until destroyed by frost. In the fall they can be potted and kept in bloom through the winter. Seeds can be started in the window or under glass about the first of March About June 1st they are planted out one foot apart in the beds where they are to bloom. Seed sown in coldframe from the 1st to 15th of April will also give good plants in time for setting out. Annual.

Rosea. Rose . . . . . 10 Rosea nova species. White . 10
Rosea alba. White, red eye . . 10 Mixed varieties 10

Kansas City, Mo., November 4th, 1911.

James Vick's Sons, Rochester, N. Y.

Gentlemen:—Last spring my wife bought from your firm a quantity of flower seeds and in spite of the dry season we had the best flowers in the neighborhood and we were justly proud of them. Thanking you for your usual prompt and careful attention, I am,

Very truly yours,

ALEX. S. CLARK, 8015 Highland Ave.

EVERLASTINGS

Acroclinium. One of the most beautiful Everlastings. Gather the first day they open to secure a bright center when dried. Bright rose and white. Single varieties, both colors mixed, ounce, 30 cents 5
Double varieties mixed 10

Gomphrena (Globe Amaranth). Start seed in a hotbed, if possible. Set the plants about a foot apart. Mixed varieties, ounce 20 cents . . . 5

Helichrysum monstrosum. Flowers double, large and full, and of a good variety of colors. Two feet. Cut just before the flowers fully expand. Plant about a foot apart. Seeds germinate readily, even in the open ground. Mixed colors 5

Helipterum grows about a foot in height, branching, bearing very many clusters of flowers. Should be taken when the buds are about opening, tied in bunches, and hung up in a shady place. The flowers will open in the drying process, retaining their color and brightness for many years.
Sanfordii. Choice. Flowers small, rich yellow 5

Rhodanthe. Fine for garden. Comes into flower early and continues a long time. One of the best everlastings for bouquets. Care is necessary in starting seeds. After good plants are grown we never fail to obtain abundance of flowers. Fine single mixed 10

Xeranthemum. Free-blooming annual. One foot. Seeds germinate freely. Transplants well when young. Set ten inches apart. Mixed colors. . . 5

SEEDS OF BULBS

There are some bulbs which do not come to perfection very rapidly from seed, and therefore amateurs have seldom patience to wait for this slow process, but obtain plants or bulbs that will flower the first season. A few, however, derive pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we keep a stock of seeds of bulbous plants.

Dahlia. Choicest double varieties mixed 10
Dahlia. Finest single varieties mixed 10
Gladiolus 10

ORNAMENTAL GRASSES

Agrostis nebulosa. The most elegant of Ornamental Grasses 5
Arundo Donax variegata aureus. Perennial. Strong stem, with golden-yellow striped leaves. Six feet high 5
Briza maxima. Perfectly hardy. One foot 5
Briza geniculata. Small; flowers freely. Eight inches 5
Chrysurus cynosuroides (Lamarckia aurea). Feathery spikes . . . 5
Coix lachryma (Job's Tears). Two feet; Corn-like leaves. Ounce 20c . 5
Erianthus Ravennæ. As fine as Pampas Grass. Superior for a northern climate. Hardy. Plants, 15 cents each; seeds 5
Gynerium argenteum (Pampas Grass). A noble Grass, flowers second season. Not hardy here 5
Hordeum jubatum (Squirrel Tail Grass). Fine 5
Lagurus ovatus. Dwarf. Called Hare's Tail Grass. One foot 5
Pennisetum longistylum. A very graceful grass, growing eighteen inches 5
Stipa pennata (Feather Grass). Magnificent. Flowers second season . 5

SEEDS OF HARDY CLIMBERS

These plants are usually obtained by purchasing roots, and this is the better way when they can be procured. Some, however, cannot get plants, and must be content with seeds. Sow very early in spring or autumn, in drills, in well-prepared beds. Keep the soil mellow.

Ampelopsis quinquefolia. Virginia Creeper 5
Ampelopsis Veitchii. (Japanese Ivy) Good wall plant, clinging to the smoothest surface. Absolutely the finest of the clinging climbers . . . 5
Bignonia (Tecoma) radicans. Trumpet Vine 5
Celastrus scandens. Climbing Bitter-Sweet. 5
Clematis Flammula. Fragrant, white 5
Clematis Vitalba. White 5

WILD GARDEN. Mixed Flower Seeds, in great variety, for sowing broadcast, per ounce, 20 cents 5

SEEDS OF TENDER PLANTS

MOST of the plants in this department come from warm, moist climates, so we must supply similar conditions artificially. To do this without a greenhouse, sow the seeds in boxes or large pots; make a compost of three parts rotted sod and one part fine sand; this makes a rich soil that will not bake. Sow the seed very thin on the surface, then sift a very little fine earth over them, and water gently through a fine sprayer; lay a piece of glass over the top, and put the boxes or pots where they may have ordinary warmth and light, but no direct sunlight. When the plants are up remove the glass, or they will become mouldy and decay near the surface of the ground. As soon as they have made two leaves, transplant carefully into another box or pot of similar soil, set in a shady place for a few days, and water very sparingly. When somewhat established, remove them to the light.

Abutilon. (Chinese Bell-Flower or Flowering Maple). A well known greenhouse shrub which will bloom freely with very common treatment. Seeds sown any time before April in a temperature of about 60 degrees, will produce strong flowering plants the first season. Finest varieties mixed 10

Begonia Rex-Diadema. This seed has been saved from the largest and finest collection in Europe, and contains all the latest varieties 50
Single Tuberous-rooted. Finest mixed 25
Double Tuberous-rooted. Finest mixed 50

Calceolaria. The Calceolarias are very beautiful and popular plants, producing masses of peculiar pocket-shaped, striped, blotched, and variegated flowers. They make gorgeous plants for greenhouse or window.
hybrida grandiflora. Large-flowered, self-colored, rich and beautiful; saved from finest collection 25
hybrida tigrina. Large-flowering, tigered and spotted. Finest mixture of most brilliant and beautifully marked flowers 25

Carnation, Remontant or Tree Carnation. Italian 25
Chrysanthemum Indicum, from a fine collection of show flowers. . . . 25

Cineraria. These may be classed among the most useful flowering plants we possess, and are comparatively easy to grow from seed. Their exceedingly bright colors and compact habit constitute them most suitable conservatory decorative plants.
hybrida, choice mixed 25
hybrida grandiflora. From the largest-flowered prize varieties. Splendid mixed 50

Cineraria maritima (Dusty Miller). Leaves silvery gray. Fine for vases, hanging baskets, and ribbon planting. 5

Clianthus Dampieri (Australian Glory Pea). A magnificent climbing plant of quick growth, bearing intense scarlet, singular-shaped flowers, with a black central base. Plant in a warm, dry position. Tender perennial, four feet high 10

Coleus. These very free-growing plants are remarkable for the bright colors of their foliage, with all the shades of red from pale pink to deepest crimson, and green from faintest to dark olive combined with yellow. Sow seed in March. Mixed seeds from choicest sorts . . . 25

Cuphea (Cigar Plant). A dwarf perennial with smooth lanceolate leaves, and tubular scarlet flowers. Profuse flowering. One foot high 10

Cyclamen Persicum giganteum. Choice strain, large flowers, rich colors 20
Persicum. Choice mixed 10

Fuchsia. Splendid mixture of single and double 50

Geranium. Fine mixed 10
Apple-scented 25
Gold and Bronze-Leaved 25
Choicest fancy varieties, (Lady Washington) mixed sorts. 25

Gloxinia hybrida. Best quality; from choice show flowers. 25

Grevillea robusta (Silk Oak). A beautiful decorative plant 10

Hibiscus coccineus. Scarlet. Three feet 10

Impatiens Sultani. Rosy-carmine. Constant bloomer 10

Lantana. Finest mixed 10

Linaria Cymbalaria (Kenilworth Ivy). Lavender and purple . . . 10

Nerium Oleander. Common Oleander 10

Oxalis floribunda. Fine for baskets or for pots. White and Pink mixed . 10

Passiflora cœrulea. The hardiest Passion Flower 10

Poinciana Gillesii (Bird of Paradise). A beautiful plant, with large, bright golden-yellow flowers, produced in large trusses 10

Primula Sinensis (Chinese Primrose) fimbriata rubra. Red; extra . 25
fimbriata alba. White; extra 25
fimbriata striata. White, striped with red 25
Choicest fringed varieties mixed 25
Fern-leaved. Very pretty Fern-like foliage. Red and White, separate or mixed, each 25
Double Fringed. A large percentage of the flowers perfectly double. Choicest mixed 50
Double White 5
Forbesii (Baby Primrose). Fine for the house, needing little care . . 20
obconica grandiflora. White. Profuse bloomer, bearing on long stems heads with 10 to 15 flowers, occasionally shading to lilac. 15
obconica grandiflora. Mixed varieties 15

Schizanthus Wisetonensis. As a pot plant this has hardly a superior. It is literally covered with small orchid-like flowers and remains in bloom from four to six weeks 15

Smilax. A graceful as well as useful climber for the greenhouse or window. It is invaluable for bouquets and floral decorations. Sow seed in February in hot-bed or greenhouse, and keep in a moist place 10

Solanum ciliatum. Red-fruited. Very fine 10

Solanum Capsicastrum. Red fruit, one of the best for pot culture . . 10

Stevia serrata. Pure white; fragrant. Excellent for bouquets. 10

Hardy Plants and Bulbs

For a complete list of the Best Hardy Plants for the garden, you are referred to our Catalogue "Hardy Plants Old and New," in which are illustrated and described Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request.

ANEMONE

Whirlwind. This new double variety has the babit, and all tbe other good qualities of the Single Wbite Japan Anemone, with the additional ones of greater hardiness and more lasting blooms. The flowers are two and a half to three inches across, and have several rows of white sepals. The plants grow from two and a half to three feet in heigbt. Each, 20 cents; dozen, $2.00.

Queen Charlotte. Early-flowering, vigorous grower. Begins flowering in August, and continues until November, becoming more attractive each day. Flowers semi-double, broad, perfectly formed, and of a delightful shade of silvery pink. Each, 20 cents; dozen, $2.00.

ACHILLEA

"The Pearl." The blossoms are of purest white, and so large that they resemble a Pompon Chrysanthemum. Hardy, and will thrive in almost any situation. Very desirable for the garden or cemetery. Blooms nearly tbe whole season. Each, 20 cents; three for 50 cents.

Millifolium roseum. Foliage very finley cut; flowers pink. A continious bloomer. Each 20 cents; two for 30 cents.

Tomentosum. Bright yellow flowers. Very fine for rockeries. Each 20 cents; two for 30 cents.

AQUILEGIA

Chrysantha. The beautiful golden-yellow Columbine. Each, 20 cents.

Coerulea. The true Rocky Mountain Columbine. Flowers blue. Each, 20 cents.

Skinneri. Scarlet and yellow. Each, 20 cents.

ALYSSUM

Saxatile Compactum. Flowers golden yellow, very showy. Fine for rockery or edging. Each 20 cents; dozen $2.00.

BOLTONIA ASTEROIDES

Among the showiest of our native hardy perennials. Attains a height, four to five feet, with large, aster-like flowers of a pure white color; very free-flowering. Each, 20 cents; dozen $2.00.

CAMPANULA

Each, 20 cents; dozen, $2.00

Persicifolia. Grows about 1½ feet higb and produces a great number of blue flowers in loose clusters from June to October.

Persicifolia alba. A white form of the above.

Pyramidalis. A most attractive plant for the border, forming a perfect pyramid, covered with large, blue flowers.

Medium. Better known as Canterbury Bells. Our stock has been grown from the finest strain of seed.

SHASTA DAISY

A fine hardy perennial. The flowers are pure white, with a bright yellow center, average about four inches in diameter, and are borne on long, stiff, wiry stems. Valuable for cutting, remaining fresh for two weeks or more Each, 20 cents. Dozen, $2.00.

HARDY ASTERS—Michaelmas Daisies

The hardy Asters produce an abundance of bloom in the fall, when other flowers are scarce. Each, 20 cents, dozen, $2.00.

Lady Trevelyan. Pure white. Dwarf. **Pyramidalis.** Light blue. Dwarf.
White Queen. Pure white. Tall.

HIBISCUS

Crimson Eye. Pure white, with a velvety crimson center. Each, 20 cents; two for 35 cents.

Militaris. Delicate flesh-pink flowers, tinged with deeper color towards the center. Each, 20 cents; two for 35 cents.

HOLLYHOCK

We have excellent healthy plants, grown from seed, that will flower the first summer, and usually for three or four summers after.

Double, Assorted colors. Each, 20 cents; six for $1.00.

"Allegheny." New Fringed Perpetual-Blooming. A great improvement in Hollyhocks. The flowers come single, semi-double, and double. Each 20 cents; six for $1.00.

IRIS PALLIDA DALMATICA

This is the noblest of all the Iris family, the stems growing from three to four feet high, with leaves two inches wide and eighteen inches long. The flowers are sky-blue in color and very fragrant. Each, 50 cents; dozen, $5.00.

JAPAN IRIS

The flowers of the Japan Iris are of the richest colors, ranging from white to purple, with delicate markings and veinings, and quite different in form from those of the German Iris, being much flatter and larger. Named varieties all double, each, 25 cents; dozen, $2.50.

Blue Danube. Deep indigo blue, violet shadings.
Gold Bound. Pure white.
Hyde Park. Reddish purple, striped white.
Mahogany. Dark red, shaded maroon.
Paragon. Rich velvety purple.
Spotted Beauty. White spotted with violet crimson.

GERMAN IRIS

Perfectly hardy. They bloom in May and June, when there is always a scarcity of flowers. Plant three inches deep. Each, 20 cents; six for $1.00.

Celeste. Light blue.
Gesneriana. White and lavender.
Madame Chareau. White.
Madcap. Lavender and purple.
Souvenir. Old gold and purple, tall grower.
Pharaon. Blue, shaded rose color.

MONARDA DIDYMA

An exceptionally fine hardy perennial for planting among bulbs or in a mixed border. The plant grows about 2½ feet high, branching freely, and bears multitudes of bright red, showy flowers which are surpassed in intensity of color only by the Cardinal flower. For a mass of color it is very striking. Each, 15 cents; two for 25 cents.

BLEEDING HEART. Dicentra spectabilis. Bears heart-sbaped, deep pink flowers, a dozen or more being borne in a graceful drooping raceme a foot in length. Each, 30 cents.

MONARDA DIDYMA

CHINESE PEONIES

The Chinese Peonies are desirable on account of their large size, fine colors and profuse blooming. They are perfectly hardy, and will succeed on any ground unless so wet that the water will lie on the surface in the winter and spring. May be planted either in the autumn or spring. Extra fine roots, each, 30 cents; per dozen, $3.00.

Anemone, flora striata. Blush. Center white with crimson markings.
Brujei. Light rose
Buchanan White.
Centripetala. Rose with salmon center.
Dr. Bretonneau. Rose.
Duchess de Orleans. Violet rose, salmon center.
Elegantissima. Rose, center cream and rose.
Faust. Blush tinged cream Center marked with crimson
Festival alba. White.
Fragrans. One of the best pink varieties.
Humea alba. Single, white, yellow center.
Lamartine. Dark crimson
Miss Vaughn. White, single.
M. Koster. Fine shade of pink.
Nivalet. Rose; very fine.
Officinalis rubra. The old-fashioned crimson Peony. Rich deep crimson, very early: one of the brightest of the dark-colored varieties.
Papillionacea. White, marked crimson
Plenissima rosea superba. Deep rose, tinged salmon
Reevesii. Delicate rose.
Rosea Mutabalis. Rose and pink.
Roi Guillaume. Light rose.
Smitzi. Single, crimson.
Stiva Mariana. Pink, center straw color.

FRINGED LEAF PEONY

Tenuifolia flore-pleno. Foliage graceful and slender, making a fine contrast when arranged with the double dark crimson flowers, that nearly rival the rose in delicate perfume, perfection of bloom, and brilliancy of color. Blooms earlier than other varieties. Each, 50 cents; two for 90 cents.

HARDY PINKS

These pinks are perfectly hardy, and will remain in the open ground all winter without protection.

Each, 20 cents; two for 30 cents; dozen, $1.50.

Comet. A fine shade of red, flowers double, clove scented.
Her Majesty. Flowers very large, fringed, very double, and pure white. Fragrance delicious, clove-scented. Long stiff stems support the flowers.
Souvenir de Sale. Flowers a delicate soft rosy pink, being fully as large as a Carnation; beautifully formed, very double, and exceedingly useful for cutting. One of the best Pinks.
White Reserve. A nicely fringed white. Always in bloom.

PERENNIAL PHLOX

With Perennial Phlox a show of brilliant flowers can be had from June until November, as they are perpetual bloomers. Perfectly hardy.

Strong field-grown plants, each, 20 cents; dozen, $2.00.

Coquelicot. Bright scarlet.
Embrazement. Coppery red, purple eye.
Esclamonde. Rosy lilac, shaded white; large purple center surrounded with white halo.
Faust. Bright rose.
Heroine. Beautiful bluish purple.
Lothair. Rich salmon, crimson eye.
M. Bezanson. Fiery crimson, velvety purple eye.
Purity. Pure white.
Richard Wallace. Pure white with distinct violet eye.
Rosetta. Deep rosy crimson violet.
Sir Edwin Landseer. Brilliant crimson
The Pearl. The finest pure white variety.

RUDBECKIA

GOLDEN GLOW. (Rudbeckia laciniata flore-pleno). A beautiful hardy perennial, eight feet high, blooming from July to September. Flowers double, deep golden yellow, borne on long stems, making it suitable for cutting. One of the most effective decorative plants for garden or lawn. Each, 20 cents; two for 30 cents; dozen, $1.50.

Newmani. Single, golden yellow, with black center; grows about eighteen inches high. Each 20 cents, dozen, $2.00.
Purpurea. Flowers reddish purple. Two to three feet high. Each, 20 cents, dozen, $2.00.

SALVIA

Each, 20 cents, dozen, $2.00.

Azurea Grandiflora. A Rocky Mountain species, growing two to three feet high, producing during August and September pretty sky-blue flowers in the greatest profusion.
Pratensis. Showy spikes, two to three feet high, of deep blue flowers from June to September.

SPIREA PALMATA ELEGANS

A beautiful hardy, free-flowering plant, with sweet-scented white flowers and red anthers. Fine for cutting purposes Each, 20 cents, dozen, $2.00

CORNFLOWER ASTER, Stokesia Cyanea

One of the most valuable of the native hardy plants, growing from 18 to 20 inches high, and of the easiest culture, succeeding in any open sunny situation. The flowers are borne profusely from July until frost, are of a handsome lavender-blue color, and measure from four to five inches in diameter. The Stokesia is not only desirable as a single plant, but makes a fine effect in beds or masses. Each, 20 cents.

TRITOMA—Flame Flower

Pfitzerii. A grand improvement on the old Tritoma Uvaria grandiflora, or Red Hot Poker. The flower spikes, which are produced with considerably more freedom than in the old variety, are of gigantic size, frequently four and a half feet high, with heads of bloom over twelve inches long, of a rich orange-scarlet, shading to salmon-rose on the edge. Each, 25 cents; dozen, $2.50.
McOweni. A charming variety, very early to come into bloom, stems long, truss rather loose; color orange scarlet and yellow. Each, 20 cents; dozen $2.00.

PHYSOSTEGIA

One of the most beautiful of our summer flowering perennials, bearing long spikes of tubular shaped flowers.

Each, 25 cents; dozen, $2.00.

Virginica. A delicate pink. Four feet
Virginica Alba. Pure white. Two feet.

CLEMATIS DAVIDIANA. A vigorous, hardy plant, two to four feet high, flowers bell-shaped, deep lavender or violet in color, very fragrant, and produced in clusters in great profusion. Strong plants, each, 20 cents; dozen, $2.00.

COREOPSIS LANCEOLATA. The flowers are a rich golden yellow, of graceful form and invaluable for cutting. In bloom from June until October. Each, 20 cents; dozen, $2.00.

EULALIA. Handsome, tall, ornamental grasses for the open lawn, or to be grown in clumps in the borders of shrubbery.
Japonica zebrina. Stripe or marking is across the leaf instead of lengthwise.
Japonica variegata. This variety, except that the variegation of the leaf is lengthwise, is very similar in style and growth to E. Japonica zebrina.
Gracillima univitata. The most beautiful of all the Eulalias. Foliage narrow, dark green, with a silvery white midrib.

Each, 20 cents; one plant each of above three for 50 cents.

FOXGLOVE. Digitalis. A highly ornamental perennial plant of stately growth. Excellent for planting in shrubberies with other hardy plants. The racemes of flowers are often two feet in length. Each, 20 cents.

GAILLARDIA GRANDIFLORA. Among the most attractive and effective of our hardy perennial plants. Will thrive in almost any position or in any soil. One mass of bloom from June till autumn. Flowers from 2½ to 3½ inches in diameter, borne on long stems, and of gorgeous coloring. Excellent for cutting. Each, 20 cents.

GYPSOPHILA PANICULATA. Gypsophilas are valuable for bouquet making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. Flowers white. Each, 20 cents.

IBERIS SEMPERVIRENS. Evergreen Candytuft. Produces innumerable flat heads of pure white flowers during April and May. Each 15 cents; per dozen $1.50.

LARKSPUR. Delphiniums. Valuable plants for the herbaceous garden, that will give perfect satisfaction to any one who grows them. Their long spikes of flowers are produced from June until frost.

Formosum. The finest blue known among our hardy plants. Each, 20 cents.
Bee Larkspur. Remarkable and interesting, the petals being folded up in the center of each flower so as to resemble a bee. Flowers lighter than Delphinium formosum. Each, 20 cents.
Sinensis. Foliage delicately cut. Large panicles of handsome flowers varying in color from white to blue. Each, 20 cents; dozen, $2.00.

LOBELIA CARDINALIS. Cardinal Flower. Flowers rich fiery cardinal color. Each, 20 cents; dozen $2.00.

LYTHRUM ROSEUM SUPERBUM. A strong growing shrubby plant, three to four feet tall, producing large spikes of rose-colored flowers during August and September. Each, 20 cents, dozen, $2.00.

LYSIMACHIA CLETHROIDES. A fine hardy plant growing about two feet high, with long, dense, recurved spikes of pure white flowers, from July to September. Each, 15 cents, dozen, $1.50.

PENTSTEMON BARBATUS TORREYI. Most useful hardy perennial, blooming from June until autumn, with panicles of brilliant scarlet flowers. Very fine. Each, 15 cents; dozen, $1.50.
Coerulea. Dwarf. Flowers blue, Each 20 cents; dozen $2.00.

PLATYCODON GRANDIFLORUM. The Chinese Bell Flower. In bloom the entire season. The flower resembles the Clematis in size and color. Two varieties, blue and white. Each 15 cents.

PAPAVER ORIENTALE. The well-known Oriental Poppy. Flowers scarlet. Each, 20 cents.

SWEET WILLIAM. Dianthus Barbatus. Assorted colors. Each 20 cents, dozen, $2.00.

VERONICA SPICATA. An elegant border plant. Long spikes of deep blue flowers. Each 20 cents; dozen, $2.00.

YUCCA FILAMENTOSA. Erect plant with sharp pointed leaves. Perfectly hardy. Flowers creamy white; bell-shaped. Each, 25 cents; dozen, $2.50.

SELECTED LILIES FOR THE GARDEN

Suggestions for Planting

Plant the large Lily Bulbs, like those of Auratum and Speciosum, eight or nine inches deep. Small bulbs, like those of Tenuifolium, Golden Gleam and Canadense, five or six inches deep. Many fail in this particular, setting the bulbs so near the surface that the frosts of winter almost throw them out of the soil. The Lily throws out roots from the stalk above the bulb, and these serve the double purpose of supplying nutriment to the plant and of bracing and sustaining in position the heavy weight of the blossoms. The soil for Lilies should be made rich with old, well-decayed manure, thoroughly incorporated with the soil; but fresh dressing must never be used, nor must any come in contact with the bulbs. They should be set on and surrounded by a layer of pure sand. When the ground freezes in the fall, apply a covering of stable litter or leaves, which may be forked in, in the spring, thus supplying enrichment to the soil, as well as preventing the ground from baking hard during the summer.

Auratum The Golden-Banded Lily of Japan has been a favorite variety for outside purposes for many years and no garden, however small, should be without it. Its ease of culture and magnificent flowers of a delicate ivory color thickly dotted with chocolate-crimson spots and a gold band running through the center of each petal, make it one of the most desirable varieties of garden lilies. Blooms about July 20th. While it is hardy, for best results some protection should be given the bulbs in the fall. Extra strong bulbs, imported directly from Japan for our customers. 30 cents each; $1.85 a dozen.

ELEGANS LILIES

The Elegans Lilies include several very hardy varieties. All have cup shaped flowers that are borne upright. Especially fine for massing.

Elegans atrosanguineum. Deep blood-red flowers, and dark, shining foliage. Blooms latter part of June. Each, 20 cents; dozen, $1.85

Elegans Batemani. Flowers orange-salmon. One of the largest of the Elegans varieties. Blooms July 1st. Each, 20 cents; dozen, $1.85.

Elegans incomparable. Deep-red. Flowers about July 1st. Each, 20 cents; dozen, $1.85.

Elegans Wallacei. Flowers rich vermilion-orange, spotted maroon. Blooms in the autumn. Fine. Each, 20 cents; dozen, $1.85.

SPECIOSUM LILIES

The Speciosum Lilies are among the most desirable for all purposes. Entirely hardy and vigorous, the flowers are distinguished for grace, delicate colors and fragrance

Speciosum rubrum. White and rose, dark crimson spots. Blooms August 15th. Each, 20 cents; dozen, $1.85.

Speciosum album. White. Blooms August 15th. Each, 20 cents; dozen, $1.85.

Speciosum Melpomene. Crimson, spotted with deep blood-red; each petal distinctly bordered with white. Same habit of growth as rubrum. Stems dark and color of flower much deeper. Each, 20 cents; dozen, $1.85.

OTHER CHOICE LILIES

Canadense. Our native Lily. Flowers nodding, delicate scarlet, yellow throat spotted black. Blooms July 10th. Each 15 cents; dozen, $1.25.

Candidum. The common white Lily. Hardy, free bloomer, fragrant. Orders taken for August delivery. *Cannot be planted at any other time.* Each, 15 cents; dozen, $1.50.

Golden Gleam. A Charming Novelty. This beautiful new golden yellow lily is a seedling of Tenuifolium and has similar habit of growth. The slender stem is clothed with grass like foliage and crowned with an ample cluster of graceful, delicate flowers of a golden yellow color. Each, 40 cents; half dozen, $2.00; dozen, $3.50.

Japonicum longiflorum. The hardy Easter Lily. Very fragrant. White, trumpet-shaped. Blooms about 20th of July. First size, each, 20 cents; dozen, $1.85.

Leichtlini Maximowiczii. Orange-salmon with purple dots. Vigorous and showy. A refined "Tiger Lily." Blooms August 1st. Each, 20 cts.; doz., $1.85.

Pardalinum. A California Lily resembling our native Canadense. Flowers red and yellow, with dark spots. Blooms about July 10th. Each, 20 cents; dozen, $1.85.

Superbum. Our native Turk's Cap Lily. Three to six feet high and bearing five to twenty flowers. Yellow to orange-red, with dark spots. Blooms July 15th. Each, 15 cents; dozen, $1.25.

Tenuifolium. One of the most beautiful and delicate of the early-flowering varieties. Flowers dazzling vermilion-scarlet, suspended from slender graceful stems; they are so bright as to attract attention from a great distance. Blooms about June 1st. Each, 20 cents; dozen, $1.85.

Tigrinum Splendens. An improved form of the stately Tiger Lily of our grandmother's gardens. Orange, with dark spots. Blooms August 1st. Each, 15 cents; dozen, $1.25.

Tigrinum fl. pl. Double Tiger Lily. The flowers are more lasting than the single. Blooms about August 15th. Each 15 cents; dozen, $1 25.

For a complete list of the Best Hardy Plants for the garden, you are referred to our Catalogue "Hardy Plants Old and New," which illustrates and describes Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request

DAY LILIES

The Day Lilies are superb autumn flowers, desirable for planting on the side of a lawn or at the edge of shrubbery.

Funkia alba (White Day Lily). Broad, light green leaves. Flowers large, pure white; fragrant Each, 20 cents, dozen, $2 00.

Funkia Japonica. Light blue, with narrow foliage. Each, 20 cts,;dozen,$2 00.

Funkia undulata media picta. Lavender. Foliage light green, beautifully variegated with white. Each, 25 cents; dozen, $2.00.

Yellow Day Lily (Hemerocallis flava). A fine hardy plant, producing an abundance of large, golden yellow flowers. Sometimes called Lemon Lily. Each, 20 cents.

The above four sorts for 70 cents.

Golden Day Lily. (Hemerocallis aurantiaca major.) One of the finest perfectly hardy herbaceous plants. The plant is vigorous in habit; the foliage rises to a height of two feet, and is of a deep green. The flower spikes are strong, bearing as many as twelve flowers in succession, which are seven to eight inches across, of a rich orange-yellow, quite distinct. Each, 30 cents; two for 50 cents.

Magic Flower

Lycoris Squamigera

A Japanese Floral Aristocrat

When we say the Lycoris belongs to the stately Amaryllis family we place it in the class of floral aristocrats. It comes to us from Japan, and is not only peculiar and odd in its habit of growth, but is positively distinct from any other Lily in its beautiful large pink flowers. In early spring it sends up its attractive strap-leaf foliage, which grows until late in July, when it ripens off and disappears, and one unfamiliar with the plant would naturally think it had died. About a month later, the flower stalks spring like magic out of the bare ground, and rising to the height of two to four feet, develop an umbel of large Lily-shaped flowers from six to fifteen in number, of a delicate lilac-pink shaded with clear blue. The first flower to open retains its beautiful coloring and shape until long after the last bud on the stem is open. It is perfectly hardy and succeeds in ordinary garden soil. The bulbs are large and acclimated to this country, having been grown for several years in the vicinity of Rochester. The engraving presented herewith shows them in full bloom. It is the best introduction in the Lily class in many years.

Each, 35 cents; per dozen, $4.00.

This Lycoris was imported from Japan a number of years ago, and grown here by Mr. E. Huftelen of Le Roy, N. Y., who for years has been prominent in Horticulture, making the improvement and hybridization of Lilies a specialty.

Vick's Tree Catalog

tells you more about the best Fruit Trees than any other booklet of its size. We don't believe in a list "a mile long", so we have selected what we consider are the best varieties of Apples, Pears, Peaches, Plums, Cherries—the one especially adapted to the home grounds. The man who intends planting an orchard will find a lot of information in it too. Ask for the Catalog today—a postal card, with your name and address will bring it to you.

LILY OF THE VALLEY

Hardy perennial Sweet, delicate, and graceful. When planted out of doors set the pips six inches apart and two inches deep in a partially shaded place. For house culture plant in pots, about one inch apart, in moss or sand, and water freely; then set the pots out of doors where they may freeze a day or two; after which bring them in doors, and after thawing, water freely and set in a sunny place in the window. Pips can be ordered in December for house culture, or in spring or fall for garden culture. Pips, half dozen, 25 cents; dozen, 40 cents; fifty, $1 40; hundred, $2.50.

Hardy Shrubs

HYDRANGEA ARBORESCENS

HYDRANGEA

Arborescens. (Grandiflora Alba.) This magnificent hardy American Hydrangea is the most beautiful hardy flowering shrub introduced in many years. It attains a height of five to six feet, and about the same breadth. It is of far more graceful habit than Hydrangea paniculata grandiflora. The form of the panicle is much like that of Hydrangea Hortensis. Trusses large and beautifully formed; the blooms are of the very largest size, pure snow-white; the foliage is finely finished. Strong, one-year plants, each, 25 cents; Three for 60 cents; dozen, $2.25. Two-year, each, 50 cents; dozen, $5.00.

Paniculata Grandiflora. One of the finest hardy shrubs in cultivation. The flower trusses are immense heads from nine to twelve inches in length, and nearly as broad. Color purest white, afterward changing to deep pink as the season advances. It blooms in July, at a time when few other shrub are in flower, and remains beautiful until destroyed by frost. Hardy as a lilac bush. The plants we offer will all bloom the first season. Prices according to size. First size, each, 50 cents; two for 80 cents; dozen, $4.50. Second size, each, 25 cents; three for 60 cents; dozen, $2.25.

SPIRAEA

The Spiraeas are in the front rank among flowering shrubs for the lawn or garden. Beginning to bloom in May, they produce flowers abundantly through the summer. Each 25 cents; any two for 40 cents; dozen, $2.25.

Arguta. Flowers clear white and freely produced. The best very early-flowering white Spiræa.

Anthony Waterer. A valuable hardy shrub, especially desirable for bedding and borders. Grows from twelve to fifteen inches high, in a compact, bushy form. It is a perpetual bloomer, bearing large clusters of bright crimson flowers all through the season.

Billardi. Flowers rose-colored, in terminal spike-like panicles, produced nearly all summer.

Billardi alba. Similar to Billardi; flowers white.

Bumalda. Half dwarf. Flowers deep rose.

Douglasi. Four to five feet high. Flowers rose-colored.

Van Houttei. A vigorous plant that sends up numerous tall, slender shoots which curve gracefully, and the last of May or in June are literally covered with pure white flowers, making the bush a mass of bloom.

SNOWBALL

Japanese Snowball (Viburnum plicatum). The bush is of lower and more compact growth than the old Snowball, and better furnished with foliage. The flowers are somewhat larger than those of the common form, of a purer white, and remain longer in good condition. Each, 30 cents; dozen, $3.00.

Viburnum Opulus sterilis. The well-known Snowball. Produces large clusters of snow-white flowers in May. Each, 20 cents; dozen, $2.00.

TAMARIX

Hardy shrub, with very graceful and handsome feathery foliage. The plant flowers so freely that in the early summer it is one mass of pink bloom, completely hiding the foliage. Invaluable for planting by the seaside, where few plants will grow. Each, 25 cents; dozen, $2.50.

WEIGELA

Handsome summer-flowering shrubs, with an abundance of trumpet-shaped flowers, borne in clusters. Each, 25 cents; three for 60 cents; dozen, $2.25.

Eva Rathke. Large purplish red flowers.

Nana Variegata. Leaves variegated, green, yellow and pink. Flowers delicate rose and pink. A charming shrub.

Rosea. Rose colored flowers, borne in the greatest profusion.

ALTHEA. Rose of Sharon. Beautiful erect-growing shrubs, of the easiest culture, bearing large, showy flowers early in the fall. Very desirable because of flowering when few other shrubs are in bloom. Double Red, Double White, and Double Pink, each, 25 cents; dozen, $2.50.

CARYOPTERIS

Mastacanthus (Blue Spirea.) A handsome half-hardy perennial plant of vigorous growth, producing flowers in the greatest profusion the whole length of its branches. Color rich lavender. Each, 20 cents; dozen, $2.00.

BERBERIS THUNBERGII. A handsome low-growing form of Barberry of Japanese origin. Foliage abundant, leaves small, obovate; flowers reddish; berries bright crimson. In autumn the leaves turn a bright red and make a great display. A beautiful plant for the lawn or the front of the shrubbery, or for a low-growing ornamental hedge. Each, 25 cents; dozen, $2.50.

CALIFORNIA PRIVET. A strong, vigorous, hardy plant. The best plant known for hedges. May be trimmed to any form, is nearly evergreen, thornless. A fast grower, and without the objectionable features of other hedge plants. Fine habit and foliage. Three-year plants, two and a half to three feet high, $6.00 per 100, $55 per 1000, express not prepaid. Two-year plants, fifteen inches high, $4.00 per 100, $35 per 1000, express not prepaid.

FORSYTHIA SUSPENSA (Fortunei). Golden Bells. One of the earliest spring-flowering shrubs, producing large, bright yellow flowers. Each, 25 cents.

LILAC. Purple. The old purple variety. Each 25 cents, dozen $2.50.

PURPLE FRINGE. Smoke Tree. A spreading shrub, completely covered in summer with large, feathery, purplish panicles, having the appearance of clouds of smoke. Each, 20 cents; dozen, $2.00.

SYRINGA GRANDIFLORA. Flowers pure white, fragrant. A very popular shrub. Each, 25 cents, dozen, $2.50.

In sending your plant order, do not fail to include the CLEMATIS PANICULATA, also known as the Japanese Virgins Bower. This beautiful Climber is probably the most desirable plant for permanent planting for porches, screens or for covering any old stump, stone pile, etc.

Description and illustration on page 77.

Hardy Climbers

CLEMATIS PANICULATA

AMPELOPSIS

Veitchii (Japanese or Boston Ivy.) This hardy variety clings firmly to the side of a house or wall, and will soon form a perfect mass of foliage. The leaves overlap with wonderful regularity. In autumn this beautiful climber assumes its greatest beauty, changing until it is a glowing mass of the brightest shades of crimson, scarlet, and orange. Hardy. Strong vines, 25 cents; two for 40 cents; dozen, $2.00.

Quinquefolia, or Virginia Creeper. Sometimes called American Ivy and Woodbine. A rapid grower. Foliage crimson in autumn. Each, 20 cents, dozen $2.00.

CLEMATIS

The Clematis is the favorite climber of the world. It makes a rapid growth, producing its showy flowers in great profusion. In the fall give the plants a good top-dressing of well-rotted manure. The following spring spade it in carefully, mixing well with the soil, and it will prove very beneficial. Hardy.

Jackmanni. Flowers large, intense violet-purple; produced in great profusion; blossoms from four to six inches in diameter. The most beautiful hardy climber in cultivation. Each, 40 cents.

Madame Edouard Andre. A valuable new variety; distinct new color; fine bright crimson, with no purplish shade about it. Large flowers, borne so profusely that it is called Crimson Jackmanni. Each, 40 cents.

Paniculata. A remarkably beautiful climbing plant. Flowers pure white, star-shaped, about one inch in diameter, borne very freely in large clusters. will last several days as cut flowers, retaining their freshness and fragrance. The plant is a strong, quick grower. One of the most desirable and useful of climbing plants. Each, 25 cents; two for 40 cents; dozen, $2.00.

The Set of three Clematis for 90 cents.

HONEYSUCKLE

The different varieties of Honeysuckle are esteemed among the most desirable hardy climbers. They grow with great freedom in any good garden soil. Hall's Japan Honeysuckle is remarkable for the persistency of its leaves, the foliage usually remaining green and apparently perfect long after severe freezing weather. On this account it is very desirable to train over a porch.

Heckrotti. **New Sweet Scented Everblooming Honeysuckle.** A magnificent variety, the finest yet produced. Remarkable for the large size and delicious fragrance of its flowers, color bright carmine red, with yellow and buff markings at the ends of the tubes. A healthy and vigorous grower and blooms continually the whole season. Each 30 cents, dozen $3.00.

Hall's. An evergreen variety from Japan. Flowers pure white, changing to yellow. Very fragrant. Each, 25 cents; two for 40 cents; dozen, $2.00.

DUTCHMAN'S PIPE

Aristolochia Sipho. The Aristolochia is a floral curiosity. It is a rapid-growing hardy climber, attaining a height of thirty or more feet. It has large leaves, ten inches across, with curious pipe-shaped, yellowish-brown flowers an inch and a half long. Strong plants, each, 50 cents; dozen, $5.00.

WISTARIA MAGNIFICA

The Wistaria is a strong, rapid grower, desirable for trellises, porches, etc. When well established it blooms profusely. The light purple flowers are very showy, and are produced in long racemes. A large plant in bloom is a beautiful sight. Perfectly hardy. Strong roots, 30 cents, dozen $3.00.

AKEBIA QUINATA. A Japanese, hardy, climbing plant, with purplish flowers, purplish mottled berries and handsome compound leaves composed of five leaflets. An interesting plant. Each 25 cents.

CHINESE MATRIMONY VINE. A vigorous and hardy climber. Flowers bright purple, succeeded by scarlet berries nearly one inch long. Excellent for trellises. Each, 25 cents; two for 40 cents, dozen, $2.25.

CINNAMON VINE. A very rapid climber of incomparable beauty, with flowers of exquisite perfume. The growth is very rapid and the vines cover a large space in a short time. It is grown from a tuber, is perfectly hardy and will live out of doors without protection. The vine dies to the ground each fall, and starts growth early in the spring. Each, 15 cents; two for 25 cents; dozen, $1.25.

IVY. English. The old popular variety. Hardy. Each, 20 cents; two for 30 cents; two-year old plants, each 40 cents; two for 60 cents.

PERENNIAL PEA. Flowers pink, in clusters. Hardy. Each, 15 cents; two for 25 cents, dozen, $1.40.

TRUMPET VINE. Tecoma radicans. A fine, hardy, climbing plant, producing clusters of large, trumpet-shaped, orange-scarlet flowers about three inches long. The foliage is also very beautiful. This plant on the lawn makes a pretty bush if the tops are cut back. Each, 20 cents.

HALL'S JAPAN HONEYSUCKLE

HARDY PLANTS—Old and New

A List of all the favorite Perennials, Roses and Shrubs. Mailed to you free, if you ask for it when you send your seed order.

ROSES

THE flowers of the Hybrid. Perpetual class are generally large, double, and very fragrant. Being perfectly hardy, these Roses may be planted out in the open ground and left all winter without any protection, and will for years continue to yield an immense crop of flowers in June, and many of them will bloom freely throughout the season. If you wish to have flowers constantly in bloom, you must feed them well to bring them to perfection; they must have a very rich soil if you wish them to do their best. Do not let them suffer for want of water during the growing season; this is a matter of great importance.

All strong two-year field grown; each 40 cents; per dozen, $4.50. Except where noted.

American Beauty. One of the largest and most beautiful of the hardy Roses. Flowers very large and double, and delightfully fragrant. Rich rosy crimson color. Plant a strong grower and continuous bloomer. It will make a much stronger growth if not allowed to bloom the first summer. Pinch off the larger portion of the buds—better all of them. This will not be necessary the second season, as the plant will then be strong enough to make both growth and bloom. We offer two sizes of plants. Young plants, from 2½-inch pots, each 20 cts.; two for 35 cts. Extra strong plants, each, 50 cts; two for 80 cts.

Anne de Diesbach (Glory of Paris). Brilliant carmine; long pointed buds; large, finely-formed, compact flowers; very sweet; free bloomer. Valuable for forcing, and a superior garden sort.

Baron de Bonstetten. Splendid shade of dark red, changing to velvety maroon.

Clio. Flowers large, of fine globular form; flesh-color, shaded in center with rosy pink. Vigorous grower and handsome foliage. One of the finest Roses

Frau Karl Druschki. A new hardy Rose and a grand variety. The flowers are large and full; buds long; color a pure white. The plant is a very vigorous grower and produces flowers throughout the season. Sometimes called the White American Beauty.

Fisher Holmes. Deep glowing crimson, large and moderately full, of fine imbricated form.

Francois Levet. Cherry-red; flowers of large size, well formed; very free bloomer and of vigorous growth. An excellent Rose.

Gen. Jacqueminot. Rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired, and in great demand.

Hugh Dickson. Intense crimson, shaded scarlet; very large, full and magnificent form; free bloomer.

Jean Liabaud. Crimson maroon, illumined with scarlet, large, full, fragrant. A very beautiful dark rose.

Marchioness of Londonderry. A white, free-flowering Hybrid Perpetual Flowers of great size, measuring five inches across, perfectly formed and carried on long stems; color very white; petals of great substance, shell-shaped and reflexed. Highly perfumed. Growth vigorous and foliage very handsome. One of the finest.

Margaret Dickson. Distinctly a garden Rose, and the best white Hybrid Perpetual, combining the sterling qualities of entire hardiness, vigorous growth, and repeated blooming, with the fragrance, beauty of form, and waxy texture of the finest Tea Roses. The flower is of magnificent form and very large. In color it is the most beautiful waxy-white, shining with almost the luster of a pearl.

Marshal P. Wilder. Cherry carmine, flowers large, semi-globular, full, well formed, very fragrant. Continues to bloom long after other Hybrid Perpetuals are out of flower

Merveille de Lyon. Ivory white, flushed with carmine. Large, full flower of lovely fragrance.

Mrs. John Laing. Delicate pink; large, fine form; very fragrant. Flowers continuously in the open ground.

Mrs. R. G. Sharman Crawford. Deep rosy pink, outer petals shaded pale flesh; white at base of petals, flowers large, of fine form, and freely produced, flowering from early summer until late in autumn.

Paul Neyron. Probably the largest Rose in cultivation, and one of the best bloomers. Color a bright shining pink, clear and beautiful. The plant is an exceptionally strong grower, often making shoots four to five feet in one season, each shoot bearing an immense flower. A rose we highly recommend

Prince Camille de Rohan. Rich, dark, velvety crimson, shading to maroon; very double and sweet.

Ulrich Brunner. Brilliant cherry-red; fine form and finish. Plant vigorous and hardy. One of the best.

Hardy Yellow Rose, Soleil d'Or

Soleil d'Or is a cross between Persian Yellow and Antoine Ducher. It retains a good deal of the character of Persian Yellow, the bark and wood being reddish, the thorns very fine, the foliage more ample, and the leaves, of a beautiful clear green, closer together. This magnificent variety is perfectly hardy, robust, and vigorous, making a growth of about three feet in height. The buds are conical-shaped, of a lovely hue, the flower when expanded being well incurved and about three and a half inches in diameter. Superb in color, varying from gold and orange-yellow to reddish gold, shaded with nasturtium-red.

SOLEIL d'OR

Caroline Marniesse

A Grand Everblooming Hardy Rose

For Cemetery planting where a succession of flowers are wanted it has no equal.

There is not a week from late in May till the middle or latter part of October that large quantities of blossoms cannot be picked from these plants. Growth low and somewhat spreading, making it especially valuable for the borders of beds, also very effective for massing in any position. The flowers are pure (or slightly creamy) white, medium size, very double, and sweetly tea-scented.

Strong two-year plants, 40 cents each; dozen, $4.00.
Strong one-year plants, 25 cents each; dozen, $2.50.

Persian Yellow

The flowers are nearly double and borne in immense clusters. The color is a deep golden yellow. The plants are a perfect mass of flowers in June.

Strong, two-year plants, each, 40 cents; dozen, $4.00.

Hardy Plants Old and New. A book describing and handsomely illustrating Perennial Plants, Roses, Shrubs and Climbers. Contains reliable information about the best varieties for beautifying the home grounds; also a table showing the blooming season, enabling you to obtain a succession of flowers from February to December. The book is richly illustrated by photographs direct from nature. Ask today for a free copy; it will be mailed to anyone, anywhere

KILLARNEY

The Wonderful Set of Bedding Roses

Perfectly hardy and always in bloom. The cream of the bedding varieties.

Strong two year field grown plants, that will produce a full crop of flowers the first year. Each 40 cents; dozen $4.50; The set of seven varieties $2.75.

Etoile de France. Velvety crimson, on stiff erect stems, cupped form The best and sweetest hardy Hybrid Tea Rose of its color

Gruss an Teplitz. Color a rich scarlet, shading to velvety crimson; very fragrant; a free, strong grower, and the most profuse bloomer known to us, blooming continually, and covered with flowers the whole season The mass of color produced is truly phenomenal and the foliage extremely beautiful, all the younger growth being of a bronzy plum-color.

Kaiserin Augusta Victoria. Pearly white, softly tinted with lemon in center; fragrant. A strong healthy grower, with bold, beautiful foliage Particularly hardy, and one of the most beautiful Roses in cultivation.

Killarney, A grand new Hybrid Tea Rose, perfectly hardy and a perpetual bloomer. The color is a bright sparkling pink; flowers very large, and the buds long and pointed.

La France. Delicate silvery rose, changing to silvery pink, very large, full, of fine globular form A most constant bloomer. One of the sweetest and most useful of all Roses.

Pink Maman Cochet. The Queen of all Pink Garden Roses. The buds are large, full and firm. The color is a rich pink, changing to silvery rose. The flowers are perfectly double, extra large and of splendid substance.

White Maman Cochet. Identical with its parent, Pink Maman Cochet, except in color, which is snowy white, with sometimes a faint tinge of pale blush. It has the same freedom of bloom, form of buds and flowers as Pink, Maman Cochet.

Bessie Brown

A strong vigorous-growing Hybrid Tea Rose, flowering in the greatest profusion the entire summer. The color is a creamy white, faintly flushed with pink **20 cents each; dozen, $2 00.**

Mrs. Wm. H. Taft

This is one of the most profuse blooming, brightest colored, sweetest scented Tea Roses ever grown. The color is a rich pink A good bedding variety.

25 cents each; dozen, $2.50.

"My Maryland"

A new Hybrid Tea Rose. The flowers are large, full and double and very perfectly formed The color is a most distinct and beautiful rose pink. Free branching and free growing **25 cents each, dozen, $2.50.**

We pay the Postage or Express Charges unless otherwise noted.

Monthly Everblooming Roses

Dozens of flowers can be cut from a bed of Monthly Roses every day, from June to November To be successful with Monthly Everblooming Roses, you must have rich soil for them to grow in. Old, well-rotted manure is the best fertilizer; a bright, sunny location, and in hot, dry weather, a good thorough soaking with water each day, and you will have plenty of delightfully fragrant flowers. **Fine strong plants, 15 cents each; $1.50 per dozen**

Small capitals are as follows to indicate classes: T, Tea; H. T. Hybrid Tea C. China; B Bourbon; N. Noisette.

Bon Silene. Rich crimson shade, beautifully tinged with salmon. T.

Clothilde Soupert. Flowers of medium size, double, and beautifully formed oval at first, but flattening as they expand; the color is pearly white at the outer edge, shading to a center of rosy pink, sometimes varying to nearly pure white. Very fragrant. Constant bloomer. T.

Crimson Hermosa (Queen's Scarlet). Flowers large; of a fiery scarlet. C.

Francisca Kruger. Flowers large, coppery yellow, shaded with peach. T

Gruss an Teplitz. Color a rich scarlet, shading to velvety crimson; very fragrant; a free, strong grower, and the most profuse bloomer known to us blooming continually, and covered with flowers the whole season. The mass of color produced is truly phenomenal, and the foliage extremely beautiful all the younger growth being of a bronzy plum-color. H. T.

La Princess Vera. Rich ivory-white, shaded with coppery yellow. T.

Marechal Neil. Yellow, tea-scented. T.

Marie Van Houtte. Creamy white, outlined with bright rose. T.

Papa Gontier. Brilliant carmine, changing to pale rose. T.

Perle des Jardins. Rich shade of yellow; very perfect in form T.

Pink Hermosa. One of the best known of all Roses. Perfectly hardy. B

Pink Maman Cochet. Rich pink, changing to a silvery rose. T.

Princess de Sagan. The richest crimson Rose in our collection. T.

Sylph. Delicate pink; flowers large with a bigh center and deep stiff petals. T

White Maman Cochet. This grand new Tea Rose is a sport from Maman Cochet. Flower extremely large, round and full, a pure white. T.

White Hermosa (Marie Lambert). Resembles Pink Hermosa in form. B

MOSS ROSES

The peculiarities of the Moss Roses are the delicate prickles which crowd their stems, and the beautiful mossy covering of their opening buds. They are strong, vigorous growers, and are perfectly hardy **25 cents each; doz., $2.50**

Henri Martin. A magnificent Moss Rose. Extra large, and perfectly double Color a deep rosy carmine, shaded a bright crimson.

Madame de la Rochlambert. Bright pink

Princess Adelaide. Pale rose. Good in the bud and flower. Foliage dark

White Bath. The extra large, full, very double flowers, of the purest snowy white, come in large clusters, and are delightfully perfumed.

PERSIAN YELLOW

CRIMSON RAMBLER

CLIMBING ROSES

Dorothy Perkins

A hybrid of Rosa Wichuraiana and Mme. Gabriel Luizet. In its foliage growth, and habit of blooming, it is similar to Crimson Rambler, but the flowers are more double and of a beautiful shell-pink color, and hold a long time without fading. The flowers are very sweetly scented, a characteristic not possessed by most other Ramblers. **Each, 25 cents; dozen, $2.50.**

Helene, a Climbing Rose of Rare Beauty

A seedling from Crimson Rambler. It is of very robust growth, throwing up canes ten to fifteen feet high in a single season. The color is a pure soft violet-rose almost blush; base of petals yellowish. The buds are carmine, finely ciliated o, mossed, and are borne in clusters of from twenty-five to fifty. Perfectly hardyr

Each, 25 cents; dozen, $2.50.

Climbing Rose Tausendschon

This beautiful variety surpasses all other climbing roses, in growth, foliage and beauty of flower. The flowers are borne in large clusters from June to August. Each flower measures about one and a half inches in diameter, and is of a beautiful soft rose-color, changing to rosy-carmine. The plant is of strong vigorous growth, perfectly hardy, and a good variety to plant where a strong climber is desired. This rose is nearly thornless. The shining, dark green foliage is never attacked by disease or insects. A first class rose for covering fences, walls, verandabs, etc. **Each, 25 cents; doz., $2.50.**

The Climbing Rambler Roses

The Ramblers have grown in favor so rapidly and are so well known that it is not necessary to devote space to a long description of these wonderfully beautiful and useful hardy climbers. They are suitable for training on walls, verandas, trellises, arbors, and pillars, and as specimen pot plants for winter forcing. The flowers are well formed and, though small, are produced in so great profusion as to present an immense mass of bloom. Many of our customers report that single plants when in bloom showed thousands of flowers.

Crimson. White. Yellow. Pink.

Two-year plants, each, 40 cts.; doz., $4.00; set of 4 for $1.50.

Philadelphia Rambler

This Rose is a cross between the popular Crimson Rambler and the fiery crimson Hybrid Perpetual Victor Hugo, and is identical with the Crimson Rambler except that the color is a brighter crimson, and never fades. It is a valuable acquisition to the list of climbing Roses. **Each 25 cents; doz., $2.50.**

Violet Blue or Blue Rambler

A blue Rose at last. Violet Blue belongs to the Rambler or hardy climbing type of roses, and bears large clusters of semi-double flowers of medium size. A strong grower with glossy green foliage, and very few thorns. A novelty well worthy of trial. **Strong young plants, 35 cents each, dozen, $3.50.**

Lady Gay (A Pink Rambler Rose)

A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry pink, fading to soft white. The foliage is very profuse and of a glossy deep green shade. The effect of a plant in full bloom, with the combination of the soft white flowers, the cherry, pink buds, and the deep green foliage, is most charming. Flowers are numerous and of good size; they are also delicately perfumed. The plant is a vigorous grower and perfectly hardy. This is a rose of the highest merit, and ar superior to the Crimson Rambler. **Each, 25 cents; dozen, $2.50.**

Dwarf Rambler Roses

Baby or Dwarf Crimson Rambler

Madame Norbert Levavasseur

A dwarf Rose that blooms from early June to December

This beautiful Rose produces clusters of flowers as large as the old Crimson Rambler. The color is a charming brilliant red, and it blooms with great profusion. As a pot Rose it has no equal, as it is a continuous bloomer.

Strong young pot plants, 15 cents each; dozen, $1.50.
Two-year-old plants, 35 cents each; dozen, $3.50.

Amy Muller, or Pink Baby Rambler

This dwarf variety is a fitting companion to the well-known crimson Baby Rambler. The plants branch freely and attain a height of about eighteen inches. The showy brilliant rose-colored flowers are produced in the greatest profusion from June until fall. Each individual flower measures about two inches in diameter. The petals are sometimes twisted which gives the flower a very unique appearance. **Each, 25 cents; dozen $2.50.**

White Baby Rambler

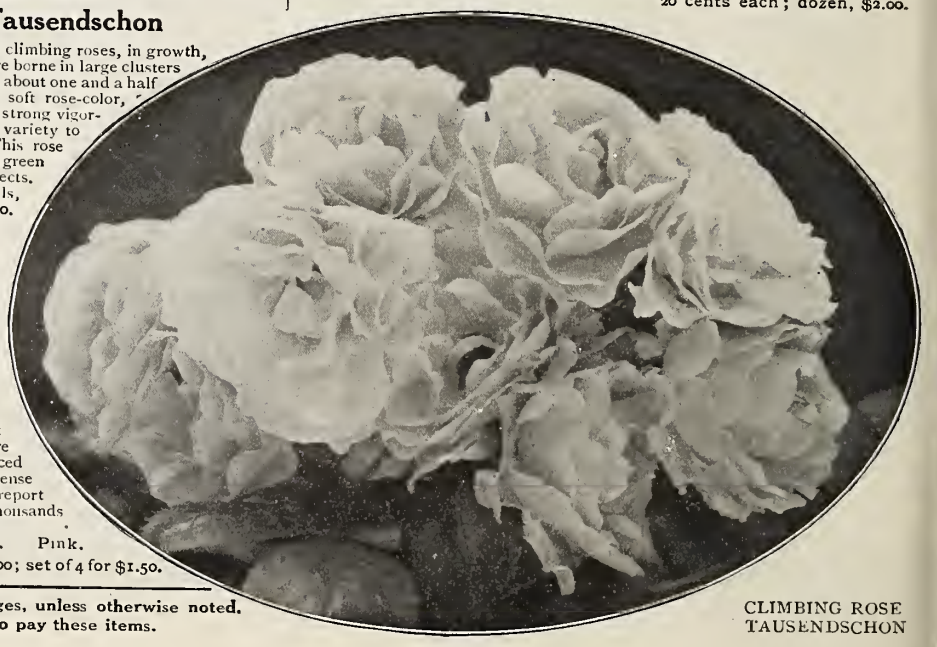
This Rose is a little beauty, with pure white double flowers. A constant bloomer and as grand a bedder as the Crimson Baby Rambler.

20 cents each; dozen, $2.00.

Baby Dorothy

A dwarf form of the Dorothy Perkins, which it resembles in foliage and color of flower. The flowers are produced in large clusters of clear pink.

20 cents each; dozen, $2.00.



CLIMBING ROSE TAUSENDSCHON

We pay the Postage or Express Charges, unless otherwise noted. Most seedsmen require you to pay these items.

Tender Plants and Bulbs

ABUTILON—Flowering Maple

Hard-wooded greenhouse shrubs, blooming almost the entire year; well adapted for house culture. Flowers bell-shaped and drooping. Each 15 cents; dozen, $1.50.

Eclipse. A trailing variety, leaves beautifully marked deep green and yellow; the flowers are bright yellow, with crimson throat.

Golden Fleece. Yellow.

Savitzii. The leaves are green with a heavy white border, more than one-half of the leaf being pure white. The contrast between the green and white is most striking.

Snow Storm. Pure white.

Souvenir de Bonn. A strong, healthy grower, with large foliage of a deep green color, each leaf being handsomely bordered with a broad, white margin. The flowers are quite large, a beautiful shade of orange with showy crimson veins. A handsome plant that everybody admires.

ACUBA JAPONICA or Gold Dust Tree

Very useful for decorative purposes and as a pot plant for the house, as it stands the atmosphere of a dwelling house better than most plants. Leaves are dark green, spotted with golden yellow. Each, 20 cents; three for 50 cents.

AGERATUM

Each, 15 cents; dozen, $1.50

Princess Pauline. A distinct and novel variety of dwarf growth, rarely exceeding five inches in height. The body of the flower is white and the stamens a light sky blue, giving the blooms a pleasing variegated appearance.

Stella Guerney. This is a decided improvement in color, being the deepest blue yet introduced; exceptionally free-flowering, not only in summer, but the year round.

ANTHERICUM

Anthericum vittatum variegatum. An elegant house plant, with dark, green leaves, bordered with broad stripes of pure white. It throws up long spikes of small, star-shaped flowers. Fine for hanging baskets. Each 20 cents; dozen $2.00.

Picturatum. Similar to the above variety except that the colors of the leaves are reversed, the center of the leaf being white, and bordered with green. Each 20 cents; dozen, $2.00.

ASPARAGUS

Sprengeri. One of the most rapid-growing plants that we know of, making great masses of fine feathery foliage in a very short time. The stems grow several feet in length, and are valuable for use in cut-flower work. Fine for hanging baskets or large pots. As a house plant it has no superior, as it withstands the indoor temperature well. Each, 20 cents; two for 30 cents.

Plumosus nanus, or Lace Fern. Beautiful on account of its light feathery growth, which very much resembles lace. The graceful dark green foliage surpasses the Maiden Hair Fern in delicacy of texture. Splendid as a pot plant and for decorative purposes. Each, 20 cents; two for 30 cents.

CAREX JAPONICA VARIEGATA

A Japanese grass, very useful and ornamental for the house. Seems to enjoy the atmosphere of living rooms. Each, 15 cents; two for 25 cents.

FLOWERING BEGONIAS

This class of beautiful plants is deservedly popular. The beauty of foliage, combined with graceful flowers and free-blooming qualities, makes the plants highly desirable. As pot plants for winter decoration they have few equals. Each, 15 cents; dozen, $1.50.

Alba picta. Leaves narrow, green, and nicely spotted with white; flowers white, in clusters.

Argentea Guttata. Leaf bronze with silver markings. Flowers white.

McBethii. Flowers pure white; foliage finely cut

Zebrina. Foliage dark green with whitish veins, flowers light pink.

BEGONIA SEMPERFLORENS (Wax Begonias)

This class may truly be called perpetual flowering Begonias as they bloom continuously. They are always in bloom, and are very fine either for house plants or bedding. Three colors, pink, white and scarlet. Each, 15 cents; three for 35 cents; dozen, $1.25.

THE REX BEGONIAS

The Rex varieties of Begonia are very effective as pot plants. Care should be taken to keep the foliage free from dust. Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry. Each, 20 cents; any three 50 cents; dozen, $2.00.

Countess Louise Erdody. The wonderful Cork-screw Begonia.

Grandis. Bronze.

President Carnot. Silvery white.

Surprise. Leaf deep bronze and silvery rose.

Van-der Hyde. Mottled green and white.

CARNATIONS

The delicately rich and grateful odor, in connection with the beautiful colors and perfect outline of the Carnation, secures for it a prominent place in all collections of plants, either for the house or garden. It is one of the sweetest of flowers and yields an abundance of bloom all summer. The plants may be potted in September, watered and shaded a few days, and they will bloom all winter, in a bright sunny window. Our list embraces a large assortment of colors, and the best of the standard varieties.

Each, 15 cents; three for 35 cents; seven for 75 cents. The set of thirteen for $1.25.

Beacon. Beautiful shade of scarlet. Flowers very large. Stems long.

Boston Market. Pure white. A marvel for early and continuous blooming.

Enchantress. Delicate shade of shell-pink, deepening towards the center. very large flower.

Harlowarden. Large flower of bright crimson, with scarlet shadings.

Lady Bountiful. Pure glistening white.

Mrs. Thomas W. Lawson. Immense size—from three to four inches in diameter—long, strong stems. Bright cerise-pink, lighting up beautifully under artificial light.

Red Jacket. A strong, robust grower; color brilliant scarlet.

Rose Pink Enchantress. Color rose pink; large flower.

The Queen. Pure white; flowers very large.

Variegated Lawson. White striped with cerise pink.

White Enchantress. Pure white.

White Perfection. Very large pure white flower.

Winsor. Silvery pink. One of the best carnations.

COLEUS

Each, 15 cents; any three for 35 cents; one each of set of eight for 75 cents.

Crimson Velvet. Leaves rich crimson.

Duneira. Soft seal-brown, bordered pink. An exceptionally showy variety

Firebrand. Maroon, flamed and shaded with brilliant fiery red.

Golden Bedder. Excellent bedder, bright yellow.

John Good. Yellow and green, fine bedder.

Sensation. Velvety black maroon, with lance-shaped center of pure magenta. Very brilliant.

Verschaffelti. Rich, velvety crimson. The best of all for bedding.

CALCEOLARIA

Creole Queen. Flowers brown maroon. Very fine for pot plant and bedding. Easy to grow. Each, 15 cents; three for 30 cents.

DRACAENA

Dracaena indivisa. This is the variety used so extensively as center plant for vases, baskets, etc. Its foliage is very gracefully arranged and contrasts nicely with other foliage and flowering plants. Each, 15 cents; dozen, $1.50

FEVERFEW

Little Gem. Very dwarf; attains a height of from 8 to 10 inches; flowers of fine form, and pure white. Each, 15 cents; dozen, $1 50

HELIOTROPE

Prized for its fragrance. It is a favorite with everyone. Heliotropes require a sunny location, as they do not do well when grown in the shade. Very desirable for house culture, a single plant filling a whole room with perfume

Lady Cook. Dark violet. **Madame de Blonay.** Pure white.

Each, 15 cents; three for 35 cents; dozen, $1.25.

SILK OAK

Grevillea robusta. A beautiful plant for decorative purposes; of quick growth and very easy culture. The leaves are a light bronze color, the tips being covered with a soft down resembling raw silk, from which it derives the name of "Silk Oak." For the house is unsurpassed. Each, 20 cts.; two for 40 cts.

CHRYSANTHEMUM COMOLETA

CHRYSANTHEMUMS

In warm seasons the Chrysanthemum flowers well in October and November in the open ground. But a good way is to cultivate the plants in the garden, with plenty of room, in good, rich soil, until the first of September, when they may be safely transferred to pots. Give a thorough watering and set in a shady place for a few days, after which they may be exposed to the full light.

Each, 15 cents; dozen, $1.25; eighteen for $1.75.

Alice Bryon. A magnificent snow-white variety.
Cheltoni. Golden yellow.
Comoleta. Bright yellow. Fine for pot culture.
Cullingfordii. Rich crimson scarlet.
Dr. Enguehard. Bright rose pink.
Gold Bird. Beautiful clear yellow.
Golden Glow. The earliest of all. Fine golden yellow with velvety finish.
Helen Frick. A lovely shade of pink
Ivory. Dwarf. Free flowering, snow white, incurved, very large, perfect form.
Leon Truelle. Large flower of purest white.
Major Bonnaffon. Soft yellow, incurved type; flowers large and full.
Maud Dean. Extra large flowers, petals broad, incurved; color light rose.
Mrs. William Duckham. Beautiful golden yellow.
Mrs. Jerome Jones. Waxy white; good stem and perfect foliage.
Mrs. W. B. Chamberlain. The color is a lovely shade of pink, very distinct.
Naceur-Bey. Yellow, with distinct stripes of red in each petal.
Nagoya. Very large Japanese; color, golden yellow.
Nellie Pocket. Creamy white.
Pacific Supreme. A beautiful shade of pink. Very early.
Pink Ivory. Beautiful shell-pink. A sport from White Ivory.
Pink Jones. The color is beautiful; each petal is white overlaid with purplish crimson, giving the whole flower the appearance of being pink in color.
President Taft. New. Purest white, closely incurved, forming a huge glistening ball.
Red Duckham. Very large flower. Color purplish crimson.
Virginia Poehlman. A magnificent flower, pure white.
White Coombes. Pure white of largest size

Hardy Pompon Chrysanthemums

These are the very best of all Chrysanthemums for planting out of doors, and also very desirable for growing as pot plants, being dwarf, compact growers, and free bloomers. They are perfectly hardy, blooming before severe frosts will hurt the flowers.

Each, 15 cents; dozen, $1.25; eighteen for $1.75.

Double Chrysanthemums

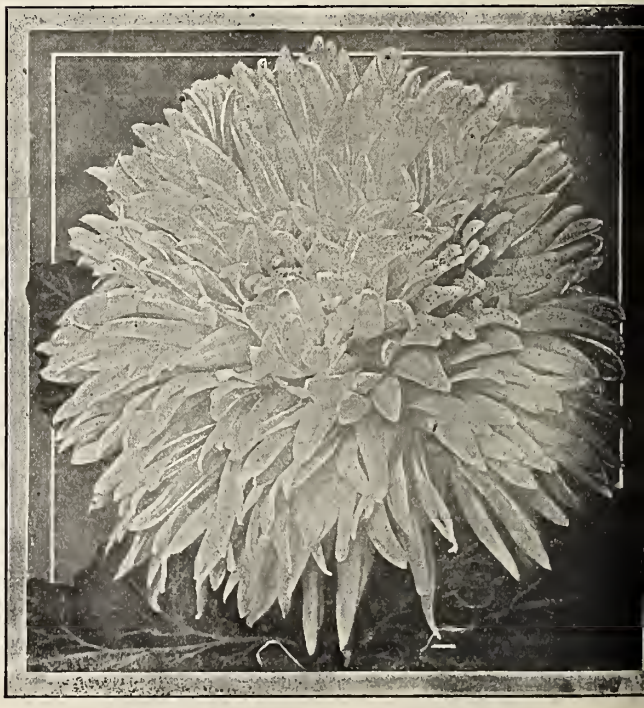
Alma. Beautiful pink.
Anna Mary. Creamy white, tipped pink.
Astarte. Bright golden amber.
Baby. Golden yellow.
Baby Margaret. Pure white; a beauty.
Bohemia. Pure yellow.
Crimson Ball. A beautiful deep crimson.
Drin Drin. Smallest; pure yellow.
Druid Hill. A light mahogany-crimson.
Edna. White, with pink shadings and yellow center; good size and nice form.
Elva. Pure white, early
Emo. Small flower of bright yellow.
Fred J. Canary yellow.
Gold Standard. Golden yellow.
Iva. Pure amber.
Itza. Bronze.
Iynsford Gem. Purple tipped gold.
James Boon. Pure white.
Julia Lagravere. Crimson-maroon.
Lula. Pure snowy white.
Orea. Light pink.
Panama. Bronze.
Skibo. Golden chamois.
St. Illoria. Silvery pink.
Walter Bly. White, tinted rose.
Zenobia. Bright clear yellow.

Single Chrysanthemums

The single Chrysanthemums are very fine for cutting in sprays, also for pot plants.

Each, 15 cents; dozen, $1.25.

Grace Darling. White edged with pink.
Katie Covell. Maroon.
Ladysmith. Pink, early.
M. J. Osborne. White, shaded pink.
Piccola. Light pink.
Rosy Morn. Silvery pink.
Winnie Sherring. Golden yellow.



CHRYSANTHEMUM PACIFIC SUPREME

CANNAS

For a brilliant show all summer there is no plant excelling the Canna; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. For window boxes, or grown as specimens for the porch, they are unsurpassed.

The Best of the Standard Varieties

Each, 15 cents; dozen $1.50.

Alphonse Bouvier. Brilliant crimson, but change to a beautiful deep crimson as they more fully expand.

Alsace. Pale sulphur changing to creamy white. A valuable variety.

Beaute Poitevine. Bright crimson, with erect flower-spikes.

Brandywine. Brilliant red, foliage bronze

Black Beauty. Foliage purplish bronze, very dark.

Charles Henderson. Brilliant crimson flowers.

Cinnabar. Cinnabar red, distinctly marked with golden yellow.

David Harum. Bright deep satiny vermilion Foliage bronze.

Egandale. Soft currant-red flowers. Foliage bronze.

Evolution. The flowers are golden yellow, which shades in through various tints of canary, lemon, and sulphur to a center of blush pink

Fairfield. Rich dark crimson flowers; foliage green.

Florence Vaughan. Flowers of the most brilliant golden-yellow, dotted with brightest scarlet.

Jean Tissot. Brilliant vermilion, with bright orange markings. Foliage green.

J. D. Cabos. Height four feet. Color of flower light orange

Luray. Deep rosy pink.

Maiden Blush. Blush pink, dwarf.

Mlle. Berat. The nearest approach to a pink in a first-class bedder.

Madame Crozy. Flowers crimson-scarlet and gold-bordered

Pennsylvania. The flowers are pure deep scarlet, of immense size.

President Meyer. The flowers are a rich cherry-carmine, foliage bronze.

President Faivre. Flowers amaranth-red; foliage bronze. A strong, erect grower, especially adapted to massing and as center of beds. Six feet high

Queen Charlotte. The center of the petal is a brilliant crimson-scarlet, shaded with crimson and bordered with a wide belt of gold. Three feet high.

Rosemawr. Beautiful rosy pink.

Robusta. A very fine, tall-growing, dark-leaved variety, eight to ten feet

Rubin. Ruby carmine. Foliage bronze.

Secretaire Chabanne. A distinct and pleasing shade of salmon.

Semaphore. Novel color. The flowers are of a pure orange

Souvenir d'Antoine Crozy. Crimson scarlet, broad yellow border.

Orchid-Flowered Cannas

Each, 15 cents; set of five for 60 cents.

Alemannia. These gigantic flowers are the largest grown on Cannas. They are a fine yellow, beautifully mottled with orange-scarlet.

Burbank. Flowers very large, equal to Italia; rich canary-yellow, spreading seven inches; will continue to bloom a week after cutting. A strong grower, with wide, rich green leaves. four feet high

Italia. Immense flower. Center brilliant red, petals widely bordered with clear yellow.

King Humbert. Orange scarlet, flaked with carmine

Parthenope. Flowers are extra large and of good substance. Color dark orange, shaded with yellow, showy and distinct, four feet

Canna Beds

Many of our customers write us in regard to the number of Cannas that is requires to fill a bed of certain dimensions. In answer to this question we offer the following suggestions: *Plant Cannas about 18 inches apart each way; the tall varieties for the center of bed, and the dwarf growers for the border.* For a round bed 7 feet in diameter it will take 19 plants.

For a 7-foot bed we will send postpaid 19 plants in three different varieties for $2.25.

FUCHSIA

No class of plants is more graceful and elegant than the Fuchsias The striking contrast of their colors,—white, carmine, rose, and purple,—renders hem perfectly charming. Each 15 cents, dozen, $1.50.

Avalanche. Corolla violet, sepals crimson

Bouquet. Flowers of beautiful form; sepals a clear coral color; corolla blue

Jeanne Summary. Tube and sepals bright crimson scarlet, corolla white.

Jupiter. Tube and sepals scarlet; corolla rich royal purple. Extra large size.

Little Beauty. Tube and sepals bright red, corolla rich purple.

Mary. The drooping flowers, over two inches long, are a brilliant crimson, scarlet, and stand out prominently against the dark green foliage.

Rosains Patrie. Tube and sepals carmine. Corolla white.

Storm King Dwarf grower. Tube and sepals red. Corolla white.

Victor Hugo. Flowers large, very double, sepals bright crimson; the center or corolla violet-purple, marbled with red. A unique and beautiful flower.

Ferns for Decoration

Ferns cannot be dispensed with in elaborate decorations for the parlor. In planting a fernery do not crowd them, but give them room for the development of the fronds; their growth is rapid, and many varieties soon double their original size. Five of the best and hardiest varieties are sufficient to fill a fern dish eight inches in diameter. Each, 15 cents; the set of six for 75 cents.

Adiantum cuneatum. The popular Maiden-Hair Fern.

Aspidium Tsussimense. A pretty species with dark green foliage.

Cyrtomium Falcatum. Large green glossy leaves

Pteris Cretica albo-lineata. A pretty and useful variegated variety, leaves green and white.

Pteris Mayii. Leaves crested; color green and silvery white.

Pteris Wimsetti. Fine for fern pans and house culture; finely crested.

The New Dwarf Boston Fern, Nephrolepis Scotti

A very dwarf and compact form of the Boston Fern The fronds are short and narrow, of a graceful recurving form. Plants of small size make nice specimens in a short time. For house culture we recommend it as a plant that will please all, and one of the best that we offer this season. Strong young plants each, 20 cents, dozen, $2.00.

Nephrolepis Scholzeli—The New Plumed Scotti Fern

In this fern, a sport from Scotti, we have all the desirable features of the parent, with plumy fronds similar to the Ostrich Plume Fern. Its leaves are held erect with a graceful arch, forming a plumy globe, which is as pretty in a small plant as it is in a specimen plant of the largest size. Nice young plants, each 25 cents, five for $1.00.

Nephrolepis Whitmani. The plumy appearance of the foliage makes this variety unquestionably the most striking among all the Nephrolepsis. The plant is quite dwarf in growth, and the leaves very wide; a grand fern. Each 20 cents, per dozen, $2 00.

Boston Drooping Fern. One of the most satisfactory of decorative plants for house culture The handsome green fronds attain a length of four to five feet, and droop so gracefully over on every side that it is often called the Fountain Plant It always has a fresh, healthy appearance, and is very attractive. Fine plants, each, 20 cents; dozen, $2.00

Special offer. We will send one fine plant each of the above four ferns for 75 cents.

HYDRANGEA

Hardy south of Philadelphia, but grown at the North as pot plants. Their immense heads of bloom make them very conspicuous. A little shade and plenty of water seem to meet all their needs Put in the cellar in the fall. For decorative plants on a piazza or porch they produce a fine effect.

Each 15 cents; the set of three for 35 cents.

Jeanne d'Arc. This is a sport from the old favorite Thomas Hogg, having dark reddish brown stems like Red-Branched Foliage and flowers much larger and more vigorous than either Flowers pure white, very effective against the dark green foliage.

Red-Branched (Ramulis-coccinea). The smallest plants bear immense trusses of bloom. The branches are of a dark red color, brightening to a clear crimson near the flower heads, which are a beautiful shade of deep rose

Otaksa. A Japanese variety, with large clusters of pale pink flowers.

LANTANAS

Are in bloom constantly, and are very fine for bedding, baskets, or box plants

Each, 15 cents; two for 25 cents; dozen, $1.25.

Amiel. Bright shade of orange-red, with golden center.

A. Cleveau. Silvery rose, with yellow center

Jacques Minot. Yellow, changing to orange red

Marcella. Lilac rose, changing to yellow.

New Weeping. Rose pink, habit drooping

Snow Queen. Large white flowers

Snowball. White, yellow center.

OTAHEITE ORANGE

The great beauty, novelty, and popularity of this plant are indeed wonderful. It blooms most freely during winter, though it is likely to bloom at any and all times of year With one or two pots of it anyone can raise an abundance of delicate and fragrant orange blossoms It is a dwarf orange, which grows, blooms, and fruits freely in pots Fruit about one-half the size of ordinary oranges. Strong plants, each, 20 cents, extra strong plants, each, 35 cents.

Large-Fruited Lemon, Ponderosa

A true ever-bearing variety On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. The tree was blooming, and at the same time had fruit in all stages of development, from the size of a pea up to the ripe fruit Fruit weighing over four pounds had been taken from this tree The lemons have very thin rind for such large fruit It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled It fruits when quite small, and makes a lovely house plant. Thrifty young plants, each, 25 cents, two for 40 cents

GERANIUMS

Plants, each, 15 cents; three for 40 cents; six for 80 cents; twelve for $1.50.

SINGLE.

General Grant. Scarlet. This old sort still retains popularity as a bedder.
Jules Lematrie. Light pink.
Jumbo. Very fine scarlet.
Marguerite de Layre. A fine, strong, free grower; pure white flowers
Mrs. E. G. Hill. Bright salmon with light shading at center.
Queen of the Whites Improved. Pure white.

DOUBLE.

Alphonse Ricard. Bright orange-red. Trusses very large.
Beaute Poitevine. The color is a bright salmon-pink.
Countess de Harcourt. Pure snow-white.
Heteranthe. Bright scarlet
Jean Viaud Flowers semi-double, brilliant rose, beautiful white spots
La Pilot. Very dark scarlet
M. Anatole Roseleur. Deep rose pink
Madame Jaulin. Center of flower delicate pink, bordered with pure white.
Madame Recamier. Snow white
Madame Landrey. Clear salmon, center shading to copper, with white eye.
Madame Buchner. Double; snow-white A strong grower.
S. A. Nutt. Double. Brilliant deep blood-red, with maroon shadings. Rather tall; vigorous grower. Truss large One of the finest bloomers
Toronto. Bright salmon. Flowers and truss of large size. A grand bedder.

TRICOLOR.

LEAVES VARIEGATED Prized for the beauty of the foliage.
Mrs. Pollock. Flowers scarlet

DOUBLE IVY-LEAF.

This class has thick, glossy, Ivy-shaped leaves. The plants are drooping in habit, and excellent for baskets, vases, and house plants.
Jeanne d'Arc. White, suffused with lavender Double.
Leopard. The color is clear lilac-pink, the upper petals being heavily blotched with deep crimson, and marked with maroon dots.
Souvenir de Chas. Turner. Double; deep pink, maroon in upper petals.

SWEET-SCENTED.

Dr. Livingstone. Leaves finely divided, very fragrant.
Mrs. Taylor. Scarlet flowered, rose-scented
Rose. This is the most desirable of the scented varieties.

BRONZE

The leaves of the Bronze Geraniums show the most beautiful shades of yellow or brownish red, the foliage being as handsome as the flowers.
Black Douglas. Flowers salmon. Foliage golden yellow; red zone.
Exquisite. Leaf light yellow ground, chocolate zone. Flowers salmon.

LEMON VERBENA

A well known plant noted for the delightful fragrance of its foliage. No garden is complete without it. Each, 15 cents; dozen, $1.50.

FRAGRANT OLIVE

Olea Fragrans. Small pure white flowers, deliciously fragrant. Each, 20 cts.

OTHONNA CRASSIFOLIA

A neat drooping plant for hanging baskets. Yellow flowers. Each 10 cents; three for 25 cents.

OXALIS

Oxalis floribunda alba. An ever blooming variety; leaves three-parted, flowers in clusters, white, half an inch or more in diameter. Each 10 cents.

PETUNIA

Single, Vick's Ruffled. These plants are from seed of our own growing, and we recommend them as being very fine. The flowers are richly colored, very large and beautifully fringed. Each, 15 cents; two for 25 cents; dozen, $1 25.
Single Fringed. Flowers nicely fringed. Each, 10 cents; three for 25 cents; dozen, $1.00.

PRIMROSE

Mexican Primrose. A charming plant, which in freedom of bloom excels all others. Flowers almost three inches in diameter, cup-shaped; color bright pink, with scarlet veins and large, showy white center. A plant of easy culture. Each, 15 cents; two for 25 cents.

SALVIA

Each, 15 cents; per dozen, $1.50.
Clara Bedman or Bonfire. A dwarf early blooming variety. The plants are almost hidden by the mass of brilliant scarlet flowers.
Splendens. The well-known Scarlet Sage. A splendid flowering plant with plumes of dazzling scarlet flowers.

PALMS

First size, eighteen to twenty inches high; second size, eight to twelve inches high; third size, strong young plants from three-inch pots.

Sent by Mail or Express, charges prepaid, at prices quoted.

Kentia Belmoreana. Graceful arching leaves, with long, terete, shining, yellowish-brown petioles; divisions of the leaves, twenty to thirty in number, strap-shaped, deep green in color This palm will stand a great deal of ill-usage and maintain a good appearance. First size, $1.25; second size, 85 cents; third size, 35 cents.
Kentia Forsteriana. The beautiful "Thatch Palm," similar to the last, but the petioles are a brighter green and the leaf divisions narrower, more delicate and graceful A handsome Palm for table decoration. First size, $1 25; second size, 85 cents; third size, 35 cents.

OLEANDER

Splendens variegata. Large, double, pink flowers, produced early in the season; glossy green leaves with a broad margin of creamy white. Each, 25 cents.
Double Pink. The old variety. Each, 25 cents.

RUBBER PLANT

Ficus elastica. This is certainly one of the best plants grown for table or house decoration. It succeeds well with ordinary treatment The glossy green leaves resist the dirt and gas to which plants in dwelling houses are exposed. Strong plants, each, 50 cents, larger plants, 75 cents and $1 00 each.

UMBRELLA PALM

Cyperus alternifolius. A beautiful, easily-grown plant, that is admirably adapted to many different modes of culture It makes a very showy plant for pot culture, is one of the best for ferneries, while for the aquarium it is without an equal. Each, 15 cents; three for 30 cents

VINCA MAJOR VARIEGATA

A beautiful trailing plant, admirably adapted for hanging baskets and vases. The leaves are glossy-green, broadly margined a creamy white; flowers blue. Each, 10 cents; large plants, with vines two or three feet, 25 cents.

TWO USEFUL HERBS

English Lavender. Each, 15 cents; two for 25 cents
Mammoth Broad-Leaved Sage. Each, 15 cents; two for 25 cents.

Tender Climbing Plants

IPOMEA—Moonflower

Ipomœa Bona Nox. Offered under various names, such as Good Night, Evening Glory, and the like It is a beautiful, vigorous climber, producing large, pure white, sweet-scented flowers at night and on dull, cloudy days. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Tender climber. Each, 20 cents; dozen, $2 00.
Ipomœa Leari (Blue Moonflower). A splendid companion to plant with Ipomœa Bona Nox. Flowers six inches across, of intense violet-blue, with reddish purple rays. Tender climber. Each, 20 cents; dozen, $2 00.
One plant each of Ipomœa Bona Nox and Leari for 30 cents.

NASTURTIUM—Double

Golden Wonder. One of the finest plants grown for covering rockeries or trellises. The color is a bright golden yellow, with a dash of scarlet in the center of each petal. Flowers perfectly double, and borne in great numbers throughout the whole year Tender. Each, 20 cents
Sunbeam. A strong, vigorous, climbing vine, resembling the common Nasturtium in habit and foliage. The flowers are one or two inches in diameter, perfectly double like Roses, and borne in great profusion all through the season. The color is a beautiful shade of bright orange-red. Tender. Each, 20 cents.
One plant of each of the two varieties for 30 cents.

PASSIFLORA—Passion Vine

A class of rapid growing climbing plants well adapted for house culture in winter or for training over porches, etc., during summer. The flowers are about four inches in diameter, with petals pear-shaped and very symmetrically arranged.
Constance Elliot. The flowers are pure white. Each 15 cts., two for 25 cts.

CERMAN IVY. A fine, thick-growing trailing plant that is unsurpassed for use in hanging baskets and urns, where delicate green foliage is needed. Each, 10 cents; three for 25 cents
JASMINE. Jasminum grandiflorum. A favorite greenhouse climber or house-plant everywhere; one of the sweetest of flowers. Foliage fine, flowers white, star-shaped and very fragrant, blooming from November till May. Easy of culture. Tender climber. Each, 20 cents.
MANETTIA VINE. Manettia bicolor. A beautiful twining plant, flowers from one to two inches in length, of the most intense fiery scarlet, with bright yellow tip. As a pot plant to train on a trellis it is unrivaled. In the open ground it succeeds admirably. Tender. Each, 20 cents; two for 30 cts.
PILOCYNE SUAVIS. A splendid climber for screens and verandas; also fine for hanging baskets. Each, 15 cents; two for 25 cents, dozen $1 25.
SMILAX. A popular and well-known climber. Foliage of a dark glossy green, used largely with cut flowers, wreaths, etc. Excellent for parlor or window culture. Tender. Each, 15 cents; dozen $1.50.

SINGLE AND DOUBLE TUBEROUS BEGONIAS

Tuberous Begonias

No plant equals these Begonias for growing in partly shaded places. The flowers are produced continously from June to the middle of October, thus making a bed of beauty in places usually barren of bloom.

The flowers are brilliant and large, handsomely formed, and of wonderful size, often measuring from four to six inches in diameter. The plants bloom freely all summer; and are fine either as pot or bedding plants, being eastly raised and requiring but little attention. After the blooming season is over the tubers are dried and either left in the pots or placed in dry sand and kept until the spring, to be started again in February or March.

Single Five colors, affording a charming selection for contracting colors, in bedding. **White, Crimson, Scarlet, Rose, Yellow; each, 10 cents; three for 25 cents; dozen, 75 cents. The set of five for 40 cents.**

Double The same colors as found in the single Begonias, but the blooms are as large and double as Marinesse Rose. **White, Crimson, Scarlet, Rose, Yellow; each 20 cents; two for 30 cents; five for 60 cents; dozen, $1.25,**

Bearded Begonia (B. grandiflora erecta cristata). This curious strain of Begonia has single flowers, of good size, bearing on each petal a dense crest or beard composed of curiously twisted threads, which gives the flower a gay and puzzling aspect. Highly interesting. **Mixed Colors; each, 20 cents; two for 30 cents.**

AMARYLLIS

The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. The bulbs should be potted in a rich, sandy loam, with good drainage. They require abundant moisture when growing, but at their season of rest water should be given sparingly.

Fragrans. Flowers three to four inches long; yellow; fragrant; stalks 15 to 18 inches high. Each, 15 cents.

Regine (Equestre). One of the best of the Amaryllis family for winter-blooming. Flowers large, bell-shaped; color light scarlet, throat or center white. Each, 10 cents.

Johnsoni. An elegant pot plant, with crimson flowers five inches in diameter, each petal striped with white. Flower-stalks two feet high, with clusters of three to five blooms. Each, 50 cents.

Formosissima (Jacobean Lily). Eight to ten inches high. Flowers dark crimson. The bulbs are dormant during the winter. Each, 15 cents.

Lutea. Flowers yellow, cup-shaped; free bloomer; very desirable. Each, 15 cents.

CALADIUM

Fancy-Foliaged. The fancy-foliaged varieties are very satisfactory for summer decoration. Leaves striped, blotched, and spotted with white, crimson, and pink; in fact, the variety of color is something wonderful. In the fall they die down, and the bulbs should be kept in the pots in a warm place. Each, 25 cents; dozen, $2.50.

Esculentum—Elephant's Ear. One of the handsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden. Medium-sized bulbs, each, 20 cents; dozen, $2.00. Large-sized bulbs, each, 30 cents; dozen, $3.00. Mammoth-sized bulbs, each, 40 cents; dozen, $4.00.

CALLA

Little Gem. A dwarf variety of the old Calla, ten to twelve inches high; free bloomer. Each, 15 cents; two for 25 cents.

Alba maculata, or Spotted Calla. Beautiful for pot culture. The foliage is marked in the same manner as that of the Yellow Calla. The bulbs must be kept in dry sand in the winter. Each, 10 cents; dozen, $1.00.

Yellow Calla (Richardia Elliottiana). The flowers are nearly as large as those of the white Calla but more urn-shaped, and the color is a rich canary-yellow. It blooms late in the spring, and the culture of the plant is very much the same as that of the White Calla. Each, 75 cents.

GLOXINIA

Gloxinias are among the handsomest of our summer-blooming greenhouse plants. The flowers are gorgeous, and the foliage has a velvety appearance. Bulbs should be started in spring in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld and the bulbs remain dry through the winter.

Red, White, Blue, and Spotted. Each, 20 cents; two for 35 cents; four for 60 cents. Dozen, $1.50.

MADEIRA VINE

For porches and arbors no other climber gives such rapid and satisfactory results. The thick, dark green foliage forms a fine screen, and the white flowers are very fragrant. Price, strong bulbs, 5 cents each; 50 cents per dozen.

MONTBRETIAS

One of the most showy summer-flowering bulbs. Flowers star-shaped, produced in great numbers on long, graceful spikes. Three for 10 cents; dozen, 30 cents; hundred, $1.75; postpaid.

OXALIS

Free-blooming bulbs, fine for pots, vases, or for edging walks and beds Plant three inches apart. Dozen, 15 cents; hundred, 75 cents; by mail prepaid

Lasiandra. Rosy crimson. **Tetraphylla, (Deppei).** Rosy lilac.

TIGRIDIA

Tigridias are beautiful flowers, delicate as orchids, and showing wonderful blendings of colors. Plant bulbs in May and give the same care as to Gladiolus for winter.

Conchiflora. Yellow and orange, with dark spots. Each, 6 cents; dozen, 60 cents.

Grandiflora alba. A beautiful variety, with large showy white flowers, marked at the base of each division with spots of a reddish brown color on yellow ground. Each, 6 cents; dozen, 60 cents.

TUBEROSE

The Tubrose is a beautiful, pure white, wax-like, very sweet-scented, double flower, growing on tall stems, each stem bearing a dozen or more blossoms. Our Tuberoses are all extra sized, splendid bulbs.

Dwarf Tuberose Pearl. Each, 5 cts,; six for 20 cts.; dozen, 35 cts.; $2.50 per hundred.

DO NOT OVERLOOK OUR LEADERS

Vick's Irondequoit Muskmelon.

Vick's Golden Nugggt Sweet Corn.

Summer Asparagus, (New and good.)

DAHLIAS

1 May Oakleigh. Pompon
2 Amos Perry. Cactus
3 Frank L. Bassett. Decorative
4 Queen of Yellows. Show

Dahlias in Collections

Sold at Special Prices

Vick's Selection of Named Dahlias

(All correctly labeled)

12 of our regular $1.50 per dozen Dahlias for $1.00; 6 for 60 cents; 3 for 35 cents, postpaid

You allow us to select them; that is all. And only to prevent a run on one or two varieties in advance of others, do we reserve this privilege. Keeps our stock of scarcer varieties uniform, you see; but it only reverts to your particular benefit.

So for $1.00 we send you postpaid twelve (12) named sorts, six (6) for 60 cents; three (3) for 35 cents. You get the same $1.50 per dozen quality, too, but one-third off, and will enjoy all the glory of these grand autumn flowers in a quality that only VICK knows how to produce. Depend upon us.

Vick's Named Mixture. Made up entirely from Named Varieties. Contains nearly 100 varieties—all classes and colors, selected from our list of the choicest varieties. Not labelled. Each 10 cents; six for 40 cents; dozen, 75 cents. Charges prepaid.

NO flowers are easier to grow, or respond more readily to care and attention, than Dahlias; but three things are of prime importance: a moderately rich soil, sunshine, and water. Plant about May 1st, covering the tubers three inches deep. If many shoots start up, thin them out to one or two. When the plant is six inches high, cut it off above the second joint. This will cause it to throw out four branches, making a strong, bushy plant, which will withstand winds and produce flowers freely. Cultivate well until they begin blooming; after that, stir only the surface soil, and then just enough to prevent a crust from forming.

Pompon Dahlias

The ball-shaped flowers of the Pompon Dahlias are a little smaller than those of the Show class, and are borne in the greatest profusion on long slender stems. They are earlier than the larger classes.

15 cents each; six for 75 cents; mail or express prepaid.

Daybreak. Soft shell pink.
Elfin. Pale Primrose. Dainty.
Fairy Queen. Sulphur yellow, edged deep peach.
Prince Charming. Creamy white, tipped pink.
Vivid. Bright fiery scarlet. A profuse bloomer.
May Oakleigh. Deep lilac.
Snowclad. The best white pompon.

Cactus Dahlias

have large, loosely formed flowers. The long, narrow petals are variously rolled or twisted. The flowers, many of which are nodding on slender stems, are the most graceful and artistic of all the Dahlias.

20 cents each; $2.00 a dozen; except where noted.
Mail or express prepaid.

Amos Perry. Bright scarlet. Early and free blooming. Fine for cutting.

Arachne. Petals white edged with crimson. Some of the flowers are all crimson.

Clara J. Stredwick. Salmon-flesh, shaded darker. Very large, with long narrow pointed petals. One of the best.

Countess of Lonsdale. Rich salmon tinted apricot. One of the easiest of all the Cactus Dahlias to grow, and last season produced more blooms than any other Cactus Dahlia on our farm.

Dainty. Primrose, shaded and tipped, soft pink. A delicately beautiful flower

Earl of Pembroke. Dark rich shade of reddish purple. 15 cents each; $1.50 a dozen.

Kriemhilde. Exquisite combination of ivory white and pink. "Queen of the Cactus Dahlias."

Matchless. Dark, velvety maroon. 15 cents each; $1.50 a dozen.

Mrs. H. J. Jones. Crimson-scarlet striped with cream. Varies from solid crimson to cream color on the same plant.

Mrs. J. J. Crowe. Clear yellow; fine habit and form.

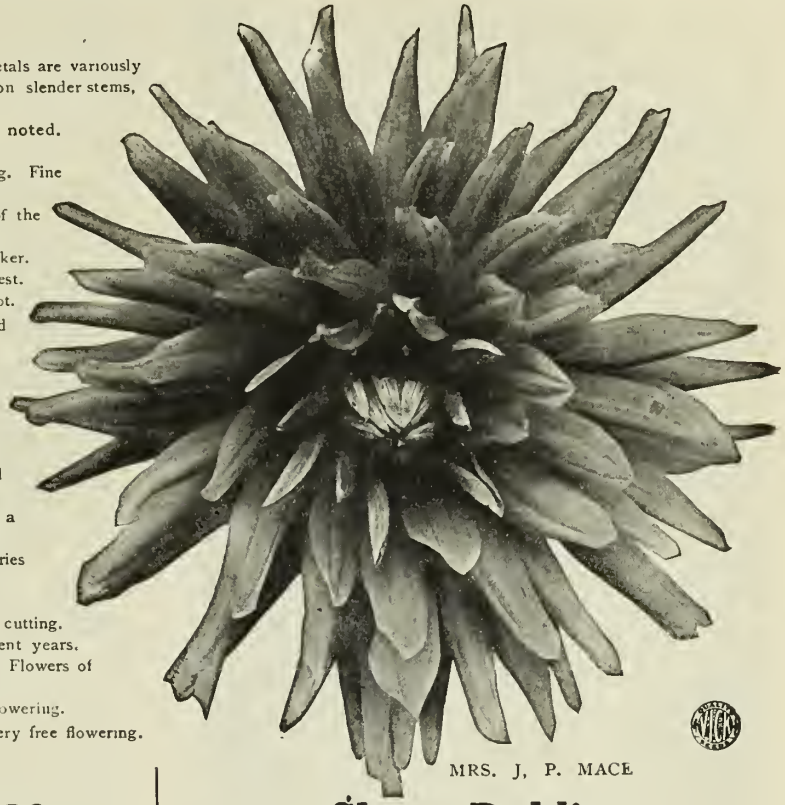
Mrs. J. P. Mace. Delicate blush pink. Splendid for cutting. One of the most valuable additions to the list in recent years.

Princess. A rich blending of rose and soft pink. Flowers of collosal size and very free.

Spotless Queen. Pure white. Medium size. Free flowering.

Standard Bearer. Brilliant scarlet. Medium size Very free flowering.

Winsome. Pure white. Good sized incurved flowers.



MRS. J. P. MACE

Decorative Dahlias

are intermediate between Cactus and Show. The massive flowers are not so globular as the Show and the petals are broad and somewhat flattened.

20 cents each; $2.00 a dozen; except where noted.
Mail or express prepaid.

Black Prince. Dark velvety maroon. Large flowers. 15 cents each; $1.50 a dozen

Blue Oban. Lavender blue. Free blooming.

Clifford W. Bruton. Canary yellow. Large, long stemmed flowers. One of the finest Decorative Dahlias.

Eureka. Deep rose; full double flowers. Free bloomer.

Frank L. Bassett. Dark, bluish purple; large. Early and free blooming.

Grand Duke Alexis. Immense white flowers. Petals quilled, the tips delicately tinted light lavender. Strictly speaking a Show Dahlia; but on account of its great size we prefer to place it with the Decorative.

Henry Patrick. Pure white. Fine long stemmed flowers.

Iridescent. Metallic bluish tints on red ground. Free flowering.

Jack Rose. Rich glowing crimson. Color of the favorite old rose. General Jacqueminot. Early and profuse bloomer.

Keystone. Lilac ground penciled with crimson. Fine large flowers.

Lyndhurst. Rich glowing scarlet. Fine long stemmed flowers. A clearer, deeper shade than William Agnew.

Mrs. Hartong. Light fawn suffused with pink. Large. Fine form. Each, 15 cents; $1.50 a dozen.

Mrs. Roosevelt. Delicate light pink. Immense double flowers of graceful form. Free flowering. A magnificent variety. 30 cents each; $3.00 a dozen.

Nymphæa. Light shrimp pink, almost white. The "Water Lily Dahlia." Robust plant and large beautiful flower. 15 cents each; $1.50 a dozen.

Olympia. Rose pink, striped and penciled with crimson. Occasionally comes in solid crimson. Fine double flowers.

Oriental. Striking shade of orange salmon. Large flowers. 15 cents each; $1.50 a dozen.

Perle d'Or. Pure white; large. Free blooming. Petals split at the tips giving a beautiful Chrysanthemum effect. 15 cents each; $1.50 a dozen.

William Agnew. Brilliant glowing scarlet. The beautiful large flowers are a little lighter shade than Lyndhurst. 15 cents each; $1 50 a dozen.

Show Dahlias

The old fashioned double Dahlia. Ball-shaped flowers; the petals quilled or tubular. As a class they are more formal than the Cactus or Decorative They still retain their old-time popularity, on account of their long stiff stems and lasting qualities as cut flowers.

15 cents each; $1.50 a dozen; except where noted.
mail or express prepaid.

A. D. Livoni (Ethel Vick.) Soft sea shell pink. A splendid cut flower

Apple Blossom. Shades of pink and rose. Very pretty.

Arabella. Pale primrose, tipped lavender and shaded rose. A charming color and an early, free blooming flower.

Bird of Passage. White, tipped with pink.

Emily. Lavender. Flowers of great size on long stems. A grand variety and a very free bloomer.

Frank Smith. Deep velvety maroon, each petal distinctly tipped with white. Very striking and attractive.

James Vick. Intense purple maroon.

John Thorpe. A soft rich pink. Very large size and fine form 20 cents each; $2 00 per dozen.

Maid of Kent. Cherry red, tipped with white.

Miller's Red. Dark crimson scarlet. Large and free flowering

Penelope. White daintily flaked light lavender. Good size and free blooming

Queen of Yellows. Clear, deep yellow. A splendid flower for cutting.

Red Hussar. Brilliant glowing scarlet. Lighter shade than Miller's Red and not quite so large. Free flowering.

Storm King. Pure white. Very early and the most profuse bloomer of any white.

White Swan. White. A magnificent large white flower

GLADIOLUS

There is no other summer-flowering bulb so satisfactory, needing so little attention and thriving so well in almost any ordinary soil, as the Gladiolus. The bulbs should be set from three to six inches apart in rows, or, for massing, six inches apart, and about four inches deep. Plant from middle of April to first of June. In the fall, before hard frosts, take up the bulbs, remove the tops, dry in the air for a few days, and store in some cool, dry place, secure from frost, until spring. Our list is a selection of the cream of hundreds of varieties which are grown on our own farm, under our own supervision.

Rochester White

Best of the Whites. The Purest White.

The purest white Gladiolus ever offered. The flower is pure white throughout, even to the anthers. Nothing like it in cultivation. Decidedly superior to the European novelty "Europa," which sold at $2.50 per bulb last season. The flowers are large and well arranged in an ample spike, three feet in height. The large bulbs produce strong, vigorous, healthy plants, comparing favorably in size and vigor with any of the standard varieties. Rochester White was originated and grown by Jacob Thoman and Sons of this city. We have personally watched the growth, the bloom, and the harvesting of the bulbs, and we heartily recommend Rochester White to our customers. Each, $1.00; $10.00 per dozen, six at dozen rate

America. Most popular Gladiolus in cultivation. Splendid flowers of a beautiful clear, flesh pink color. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Attraction. Flowers very large. A beautiful soft color, between rose and scarlet. The large throat is pure white. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Augusta. Fine white, faintly tinged with lavender. Free bloomer and has a long season. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Baron Hulot. Dark, velvety, violet-blue. Best of the blues. Each, 15 cents; three for 40 cents; six for 75 cents; twelve for $1.40.

Beauty. Earliest of all. Light pink with chocolate throat. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Brenchleyensis. Vermilion-scarlet. Fine old variety. Early, vigorous and free bloomer. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Canary Bird. Clear canary yellow, without markings. The best yellow. Each, 15 cents; three for 40 cents; six for 75 cents; twelve for $1.40.

Cardinal. Intense cardinal scarlet. Deep, rich color and large flowers. Each, 15 cents; three for 40 cents; six for 75 cents; twelve for $1.40.

Eugene Scribe. The large, well opened flowers are a soft rose-pink heavily flaked with bright carmine. Edges of flowers ruffled. Large spikes. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Isaac Buchanan. Light yellow, flushed with deeper color. Each, 10 cents; three for 25 cents; six for 40 cents; 12 for 75 cents.

Jean Dieulafoy. Early. Large flowers of creamy pink. Large blotch of bright crimson in throat. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Ruffled "Glory"

A new type of Gladiolus. One of the most valuable introductions of recent years. Each petal is distinctly ruffled at the edge. The immense flowers are a beautiful cream-pink color. Leaves very broad. Strikingly distinct in plant and flower. The stock we offer was all grown on our own farm the past year. Each, 20 cents; six for $1.00; twelve for $1.80.

Madam Monneret. Soft pure pink; a little carmine in the throat. Each, 10 cents; three for 25 cents, six for 40 cents; twelve for 75 cents.

May. Beautiful light flesh pink, flaked with carmine at the edges. A good variety for all purposes. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Melrose. One of the largest Gladioli in cultivation. Light pink ground, flaked with rose. Very desirable. Each, 20 cents; six for $1.00; twelve for $1.80.

Mephistopheles. Very striking. Deep scarlet heavily marked with yellow and dark crimson. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Mrs. Beecher. Very large flowers of deepest scarlet. Each, 10 cents; six for 40 cents; twelve for 75 cents.

Octoroon. Beautiful salmon pink. Very distinct. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Princeps. Immense, broadly open flowers of clear, brilliant scarlet. The "Amaryllis flowered" Gladiolus. Each, 20 cts.; six for $1.00; twelve for $1.80.

Rosella. Very large flowers of deep rose color. Each, 15 cents, six for 75 cents; twelve for $1.40.

Shakespeare. Light pink suffused with carmine. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

"1900." Rich, deep scarlet with large white blotch. Hardy and free flowering. A splendid, late blooming variety. Each, 10 cents; three for 25 cents; six for 40 cents; twelve for 75 cents.

Wild Rose. A large splendid flower, the delicate color of the wild rose. A grand new variety. Each, 20 cents; six for $1.00; twelve for $1.80.

COLLECTIONS

In order to give our customers an opportunity to make their own collections of standard varieties at moderate cost, they may select:

Any 3 (all different), priced at 10 cents, for . . 25 cents
Any 6 (all different), priced at 10 cents, for . . 45 cents
Any 12 (all different), priced at 10 cents, for . . 80 cents

MIXTURES

Vick's Named Mixture. This is a mixture of over 150 named varieties, to which we are adding every year. It comprises every class, and will furnish a profusion of bloom from July till frost. Many of these varieties cost us several times as much as we charge for the mixed. Half dozen, 30 cents; dozen, 55 cents; hundred, $4.00; charges prepaid.

First Quality Mixed. All colors in fine assortment. Half dozen, 20 cents; dozen, 30 cents; hundred, $2.00; charges prepaid.

GROFF'S HYBRID GLADIOLI

In Mixtures Only

This race of Gladioli contains many striking shades. The plants are more robust than those of the standard, or Gandavensis type, and the flowers are larger, more spreading and have broader throats. The famous "America" is one of the many choice varieties taken from Groff's Hybrids.

Light and White Hybrids. Beautiful collection of light and dainty shades. Half dozen, 30 cents; dozen, 50 cents; hundred, $3.50; prepaid.

Red Hybrids. All shades of red, scarlet and crimson. Half dozen, 30 cents; dozen, 50 cents; hundred, $3.50; prepaid.

Blue Hybrids. Includes all the shades of clematis, lilac and heliotrope; a beautiful strain. Half dozen, 45 cents; dozen, 80 cents; hundred, $6.00; prepaid.

Mixed Hybrids. All shades in grand mixture. Half dozen, 30 cents; dozen, 50 cents; hundred, $3.50; prepaid.

Small Fruits

PLUM FARMER
BLACK RASPBERRY

RASPBERRIES

At the single and dozen prices we prepay mail or express charges Hundred and thousand lots by express or freight, charges not prepaid.

Blackcaps, and others that increasefrom the ends of the canes,should be planted three and a half by seven feet. Keep the soil loose and free from weeds. When the canes attain the height of one foot, pinch off the ends; this causes the canes to branch, grow stocky and self-supporting. In the spring of the bearing year cut these back to within six inches of the main stalk. After fruiting, cut out all the dead wood. Red Raspberries and all others that sucker, should be set five by three and a half feet apart, when they must be cultivated both ways. Allow only three or four canes in each hill; treat all others as weeds. For garden culture set red varieties three feet apart each way, Caps four by three feet.

Plum Farmer — The Best Blackcap Ever Introduced . .

At the last meeting of the New York State Fruit Grower's at Rochester, Jan. 4th, 1911, W. H. Alderman, Assistant Horticulturist at Geneva Exp. Station, read the following report on the Plum Farmer raspberry. "Of all the named varieties under test at the Geneva Station, Plum Farmer made the best showing in 1910. The plants are hardy, vigorous and productive; the berries large, good in color and quality. It has already been grown in some localities and reports of its behavior are very favorable. It should certainly be given a trial in all commercial plantations.' Fruit ripens very early, large, thick meated and firm.

The most essential points are centered in the "Plum Farmer" that is quality, and firmness to stand long distance shipping. So that it is desirable both for the large grower and the home garden. **Each, 15 cts.; Dozen, 75 cts.; hundred $2.25; thousand,$12.**

RASPBERRIES, BLACK

Price, except as noted, each, 15 cents; dozen, 75 cents; hundred $2.50; thousand, $15.00.

Cumberland. Very hardy, having withstood a temperature of 16° below zero. Very productive, making large crops of enormous berries. Fruit unusually firm, and may be shipped long distances. Mid-season variety, coming ahead of the Gregg.

Gregg. Very large, fine quality, productive, late, hardy.

The Kansas. Early. Stands drouth well, and is uninjured by frost, fruit is larger than that of he Gregg. Jet black, firm texture.

RASPBERRIES, RED

Herbert. Fruit bright red, somewhat eblong, tue largest of all red Raspberries, larger than Cuthbert. Flavor, sweet and juicy, Enormously productive. will bear twice the crop of either Cuthbert or Loudon. Season five to six days before Cuthbert, Holds its size well to end of season. In hardiness it easily takes first place. The cane is very strong and vigoron. ,leaves large and healthy. **Each, 20 cents; dozen, $1.50; hundred, $5.00.**

Cuthbert. A valuable late variety, large, firm, and of superior quality; very productive **Each, 15 cents; dozen, 75 cents; hundred, $2.25; thousand, $12.00.**

Loudon. Hardier, better, and far more productive than Cuthbert. Berries firm; bright red; splendid shipper. **Each, 20 cents; dozen, 80 cents; hundred, $3.00.**

Miller's Red. One of the best early varieties. As large as Cuthbert. Bright red. Flavor rich. **Each, 20 cents; dozen, 80 cents; hundred, $3.00.**

RASPBERRIES, YELLOW

Golden Queen. Light amber. **Each, 15 cents; dozen, 75 cents hundred, $2.50.**

Columbian. Popular for the home garden. Grows from eight to twelve feet high, covered with large, crimson berries. Perfectly hardy, Best for canning, and evaporating, retaining color, form, and flavor. **Each, 15 cents; dozen, 75 cents; hundred, $2.25; thousand, $12 00.**

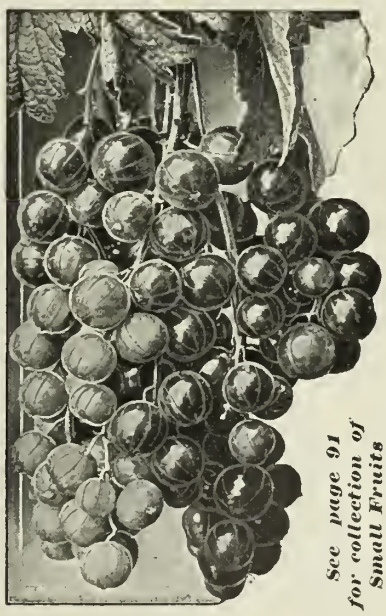
CURRANTS

At the single and dozen prices we prepay mail or express charges.

Hundred lots by express or freight, charges not prepaid.

Choose a moist rich soil for Currants. Plant five feet apart each way. Keep free from weeds and grass by liberal cultivation and mulching. Use plenty of manure, and trim out superfluous wood by cutting back the new growth two-thirds each year. Keep the foliage free from worms by using white hellebore.

Each, 20 cents; dozen, $1.25; hundred, $7.00.



PERFECTION

See page 91 for collection of Small Fruits

Cherry. Large and productive. Standard for market.

Black Champion. An English variety Extra good for jams, etc

Fay's Prolific. One of the best, very productive, large, good flavor, early.

Red Cross. A fine variety. Plants strong, vigorous, remarkably productive Clusters large, often measuring four inches in lengtb, berries large.

White Grape. Valuable for the table, quality excellent, mild, and sweet

Perfection. Color bright red, size, as large as the Fay's or larger, the clusters averaging larger, the size of berry being well maintained to end of cluster Rich, mild sub-acid, plenty of pulp, with few seeds. Less acid and of better quality than any other large currant in cultivation The Perfection is a great bearer, superior to Fay or any other large sort Strong 2-year plants, each, 30 cents; $2.50 per dozen.

GRAPES

At the single and dozen prices we prepay mail or express charges Hundred lots by express or freight, charges not prepaid.

Rows should be eight feet apart, and vines from six to eight feet apart in the row. Dig a hole two feet long, one foot wide, and one foot deep. Put a little surface soil in the bottom, and mix in some bone dust or commercial manures, and then place in another thin layer of surface soil. Trim the ends of roots and spread out in hole, covering with surface soil. Cut the vine back to two buds, and draw in the earth so as to cover roots and stem up to top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Old wood never bears the second time, the vines of this year bear fruit the next. Nine-tenths of the wood should be cut away each season to get the largest and best grapes. *Vines are all strong two-year plants, true to name.*

Each, 20 cents; dozen, $1.50; except as noted.

Campbell's Early. Strong, vigorous, hardy vine; thick, healthy, mill dew-resisting foliage, always setting its fruit well and bearing abundantly. Berries large; black, with light purple bloom. Flavor rich, sweet, slightly vinous. Very early. **Each, 30 cents; dozen, $2.00.**

Catawba. Large, compact; berries deep red, sweet and juicy.

Concord. Black Most popular and reliable variety cultivated.

McKinley Early. New. A cross between Niagara and Moore's Early; has all the good qualities of the Niagara, but *fully ten days earlier*. The best early white variety ever offered. **Strong 2-year-old plants, each, 40 cents.**

Diamond. Bunches large, compact, shouldered. Berries large, white, melting, juicy, sweet to center. Skin thin Strong grower and abundant bearer.

Niagara. Strong grower. Bunch and berries large; color light green. Very productive.

Worden. The best black; most productive and satisfactory of all varieties.

OTHER STANDARD VARIETIES

Brighton. Lady. Pocklington. Delaware.
Moore's Early. Wyoming. Agawam (Roger's No. 15).

Our Grand Collection of Small Fruits

Gives a splendid assortment for a family garden. No better varieties can be found anywhere, nor can they be had at a lower price. See page 92.

RATHBUN BLACKBERRIES

PEARL GOOSEBERRIES

BLACKBERRIES

At the single and dozen prices we prepay mail or express charges. Hundred and thousand lots by express or freight, charges not prepaid.

For field culture, plant in rows six feet apart and plants three feet apart in the row. For garden culture, five by four feet.

Price, except as noted, each, 15 cents; dozen, 80 cents; hundred, $2.50; thousand, $15.00.

Blowers. (New) The giant of all Blackberries. An upright strong grower, very hardy and productive. Ripens about the middle of July and continues bearing for about two months. **Each, 25 cents; dozen, $1.50.**

Eldorado. Very vigorous and hardy; fruit large, of finest quality, and without a hard core

Minnewaski. One of the largest and most productive. Early.

Rathbun. Fruit extra large. In quality it surpasses the luscious Dewberry, being without the hard core common to Blackberries. It brings more in the market. The plant is hardy, vigorous, and a great bearer Fruit large throughout the season. As a shipper it is unsurpassed.

Snyder. An exceptionally hardy variety. Berries medium size, produced abundantly, sweet, juicy, and, when fully ripe, without a hard core.

GOOSEBERRIES

Gooseberries thrive best if planted where they will receive a partial shade Plant the same distance as Currants. Gross feeders, liking a deep rich soil.

At single and dozen prices we prepay postage or express charges.

Chautauqua. Fruit a light yellow (nearly White), free from spines and hair. Thick-skinned, sweet, and of exquisite flavor. Equal to any other variety on the market **Each, 50 cents; dozen, $3.50.**

Downing's. A native seedling; vigorous, hardy, and prolific; free from mildew. Fruit greenish white, large. **Each, 25 cents; dozen, $1.75.**

Industry. A valuable new foreign variety. Fruit dark red, very large, and of a rich agreeable flavor. An immense yielder. **Each, 30 cents; Doz., 2.50.**

Pearl. Grown from seed of Houghton, crossed with Ashton Seedling. Worthy of special notice because of its good quality, productiveness, and freedom from mildew. **Each, 25 cents; dozen, $1.75.**

Red Jacket. An American seedling of large size. Smooth, prolific and hardy; of best quality. **Each, 30 cents; dozen, $2.50**

STRAWBERRIES

For field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture, plant three feet by one foot Should the ground not be prepared for planting on receipt of plants, they should be carefully heeled in, in a cool, moist, shady place. Do not sprinkle the foliage, as it causes a moisture to collect, which is very injurious to the crowns, causing them to rot. In setting the plants be careful to have the crowns even with or a little above the surface of the ground, and to have the trench or hole in which the plants are to be set deep enough to allow the roots their full length. Some varieties of Strawberries have pistillate or imperfect flowers. These must have perfect-flowered varieties planted every fifteen or twenty feet among them, or they will produce imperfect fruit. The pistillate varieties are marked (*P*).

At dozen and hundred prices we prepay postage or express charges; at thousand rate customers will pay express or freight charges.

Dozen, 25 cents; 100, $1.25; 1000, $6.00, except as noted.

Abington. Large, bright red, firm and good quality; holds its color well and continues bearing a long time. An improvement on Bubach. **Dozen, 45 cents; 100, $2.50; 1000, $10.00.**

Vick's Uncle Joe. Its fruit is perfect in form, of a dark, rich color, firm flesh, monstrous in size and uniform in shape. Among other attractive features, its early and continuous yield during the season is attributable to its strong, healthy and robust growth. **Dozen, 50 cents; twenty-five, 75 cents; hundred, $2.25; fifty at hundred rate; thousand, $12.00.**

Climax. This very prolific strawberry originated with Henry W. Graham, of Maryland. In 1900 he had 1,100 plants, which he set on less than a quarter of an acre. In 1901 he shipped 6,300 quarts, or about 20,200 quarts to the acre. Medium early. **Dozen, 35 cents; 100, $2.00; 1000, $8.00.**

Early Beauty. Fruit medium to large. Productive and good quality. One of the best early varieties we have ever fruited. **Dozen, 45 cents; 100, $2.50; 1000, $10.00.**

Echo. Superior to other varieties in both flavor and sweetness. Fruit brilliant red, of medium size, second early. Very productive.

Gandy. One of the best late Strawberries. Large, uniform size, rich crimson. Is a vigorous grower and good cropper. Late to very late.

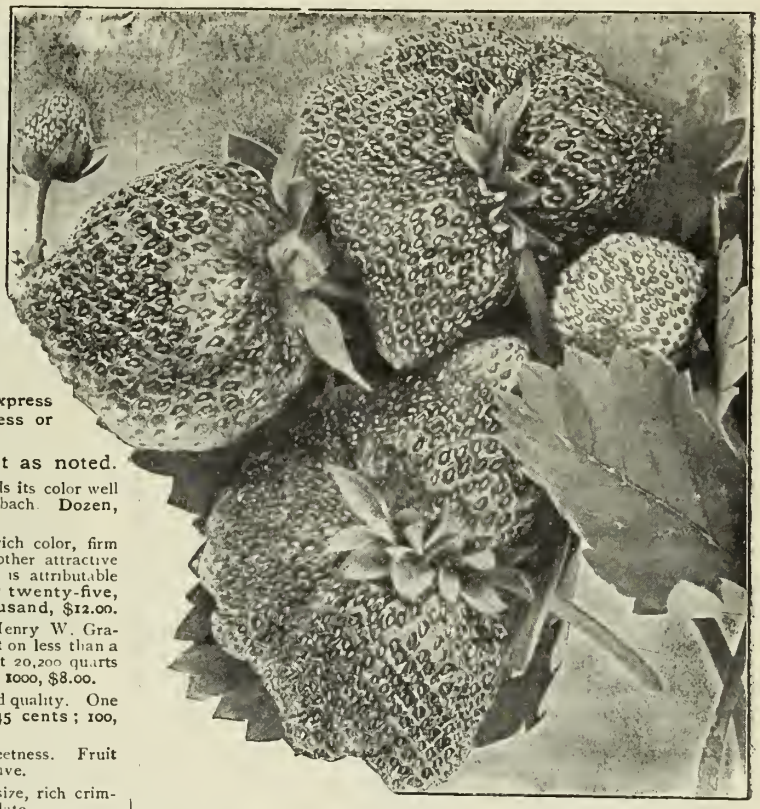
Stevens' Late Champion. The plants of this variety are of more than ordinary vigor, a good runner; perfectly healthy; color bright. A fine looking berry Ripens after most other varieties have gone. We consider it the best late strawberry. **Dozen, 35 cents; 100 $2.00; 1000, $8.00.**

William Belt. A handsome variety Large and of the finest quality. One of the very best for the home garden.

World's Wonder. As productive as the Haverland, but twice as large. Fruit is a bright red in color and does not turn dark after being picked. Uniform in shape, large size, good keeper and shipping berry. Ripens early and brings extra fancy price on market. Vines are strong, thrifty, and rapid in growth. Will produce a large crop on either high or low land. The fruit is so firm and its keeping qualities are so excellent that it does not need to be picked oftener than once in three days. **Dozen, 50 cents; hundred, $2.50; thousand, $10.00.**

OTHER STANDARD VARIETIES

Brandywine, Bubach, Eureka, McKinley, Nick Ohmer, Jessie, Crescent (P). Wilson, Seaford. Glen Mary Sample.



WILLIAM BELT STRAWBERRY

Our Grand Collection of Small Fruits

No. 1 Strawberries
" 2 Raspberries
" 4 Currants and Gooseberries
" 5 Grapes

The **Entire Lot for $4.50**

Collection of Small Fruits for the Home Garden

No changing or substituting allowed in these collections.
Postage or Express Prepaid.

COLLECTION No. 1, STRAWBERRIES

Five varieties, early, medium, and late, which in our judgment are best adapted for general garden culture.

12 Echo . . . $0 25 | 12 Glen Mary . $0 25 | 12 Seaford . . $0 25
12 Gandy . . . 25 | 12 Sample . . . 25

Five Varieties--60 Plants--for $1.00

COLLECTION No. 2 RASPBERRIES

RED—6 Miller's Red. . . . $0 40 | BLACK—6 Cumberland . . $0 40
6 Columbian . . . . 50 | 6 Kansas 40

4 Varieties--24 Plants--for $1.25

COLLECTION No. 4 CURRANTS AND GOOSEBERRIES

6 Red Cross . . (red) . . . $0 63 | 2 Gooseberries, Downing 50
2 Black Champion . . . . . 40 | 2 White Grape 40

4 Varieties--12 Plants--for $1.25

COLLECTION No. 5, GRAPE VINES

1 Agawam (red) . . . . . $0 20 | 1 Catawba (red) $0 20
1 Campbell's Early (black) . 30 | 1 Worden (black) 20
1 Diamond (white) . . . . . 20 | 1 Niagara (white) . . . 20

Six Varieties--for $1.25

VICK'S FRUIT AND ORNAMENTAL TREES

APPLES

Our list embraces a careful selection of the best for the several seasons and those that have proved worthy of general cultivation. Those starred (*) are the Russian and hardier varieties

40 cents each, $4.00 a dozen, $30.00 per hundred

SUMMER

Early Harvest—Medium, pale yellow, fine flavor, sub-acid; very productive. July.

***Red Astrachan**—Large, crimson, juicy, with rich, sub-acid flavor. Bears early; hardy. July.

***Yellow Transparent**—The hardiest and finest early summer apple grown. Fruit large, pale yellow. July.

AUTUMN

***Duchess of Oldenburg**—A large, beautiful apple, round, streaked red on yellow ground; tender, juicy, very acid. Fine for cooking September.

***Fameuse** (Snow)—Medium, deep crimson, flesh very white, tender, crisp and juicy, sub-acid. A popular dessert apple October.

Maiden's Blush—Medium, pale yellow, red cheek, fine quality, sub-acid. October.

WINTER

Baldwin—Large, roundish, skin deep red, flesh juicy, crisp, sub-acid, good flavor. Vigorous and productive. Keeps splendidly. December to March.

***Grimes' Golden**—Good size, yellow; high quality. November to March.

King—An apple of the largest size; deep red, round, flesh yellow, juicy, acid, tender. Always in demand. November to March.

***McIntosh Red**—A very fine apple of the Fameuse class, hardy; large, dark red; flesh white, very tender, splendid quality. November to Feb.

Newtown Pippin—Large, round, greenish yellow. Very high quality, juicy, crisp, tender, rich, sub-acid. December to April.

Northern Spy—Crisp, tender, high quality, fine shape, beautiful coloring. Red, usually striped, sub-acid. November to March.

Northwestern Greening—Very hardy, greenish yellow, large, mild, sub-acid. November to March.

Roxbury Russet—Medium, dull green and yellow; flesh white, rich, sub-acid. November to March.

Talman Sweet—Medium, pale whitish yellow; flesh white, fine grained; very hardy and productive. The best winter sweet apple for home and market. November to March.

***Wealthy**—An American apple that is becoming very popular on account of its handsome appearance and early fruiting. Hardy and productive. Fruit large size, roundish, skin smooth, splashed with dark red; flesh white, tender, juicy, sub-acid. November to January.

Wine Sap—Medium, deep red; firm, crisp, high flavor; popular in Southwest. December to May.

CRAB APPLES

Transcendent—Large, yellow with rich crimson cheek. An improved Siberian crab. September.

SUMMER PEARS

50 each, $5.00 a dozen, $30.00 per hundred

Bartlett—Large size, rich, melting, delicious; everywhere successful Blossoms sterile, requiring other varieties planted near by to insure fertilization. September.

Clapp's Favorite—Very large and showy, golden yellow with red cheek Ripens a week before Bartlett. Rots at the core unless picked ten days before ripe. August.

Wilder—Medium size, yellow with carmine shading; fine grained, tender, sub-acid. August.

AUTUMN PEARS

50 cents each, $5.00 a dozen, $30.00 per hundred

Duchesse d'Angouleme—Very large, greenish yellow, tender, melting, buttery and juicy; does best as a dwarf. October.

Flemish Beauty—Large, sweet, melting; very productive, but liable to scab; very hardy. September.

Kieffer—Large, deep yellow with russet dots; juicy, sweet, coarse; immensely productive; early bearer. Fruit must be thinned to get the largest size. Fine for canning. Said to be blight-proof. October and November.

Seckel—Small, finest flavor; excellent for pickling and dessert; very productive. September.

Sheldon—Medium size, round, russet and red; melting, rich, very juicy delicious; very productive; keeps well. October.

WINTER PEARS

50 cents each, $5.00 a dozen, $40.00 per hundred

Beurre d'Anjou—A grand pear; large, handsome, buttery, melting, rich, yellow when ripe. The finest winter pear grown Requires to hang late. October and January.

Lawrence—Medium size, golden yellow, melting, very rich. The finest early winter pear. November and December.

DWARF PEARS

40 cents each, $4.00 a dozen, $25.00 per hundred

Beurre d'Anjou—Early winter.
Clapp's Favorite—Very early
Duchesse—Late fall, fine.
Seckel—Extra fine quality.

CHERRIES---Sweet

50 cents each, $5.00 a dozen, $30.00 per hundred

Black Tartarian—Fruit large, heart shape, dark purple, tender, rich; very prolific. Tree upright, vigorous and healthy. The best early black cherry

Napoleon—The largest size, yellow with red cheek. Very firm, juicy and sweet. Vigorous, upright tree; enormously productive. July.

DUKES AND MORELLOS—Sour

Early Richmond—Medium size, bright red, acid, very hardy and productive. Fruits very young. For cooking and market one of the best. June.

English Morello—Medium size, dark red, acid, late; dwarf. Very hardy; early bearer. July.

Large Montmorency—Fruit large, bright red, fine flavor; very hardy and immense bearer. Season a little later than Early Richmond

PLUMS--European

50 cents each, $5.00 a dozen, $30.00 per hundred

Fellemburg—(Italian Prune)—Very large, rich dark purple, flesh juicy and good, rather coarse, freestone; tree spreading, productive. September.

German Prune—Medium size, dark blue, juicy, rich. Tree upright, vigorous and productive. September.

Reine Claude—Large, yellowish green, juicy, melting, sugary, rich flavor. September.

AMERICAN

Bradshaw—Very large, purple; juicy, excellent quality. Tree erect and vigorous, productive. August.

Imperial Gage—Medium size, yellow, juicy, rich, delicious, productive, strong grower. August.

Lombard—Medium, violet red, juicy, pleasant and good. Immensely productive, hardy. August.

JAPANESE AND HYBRIDS

Abundanc—Fruit large, showy and beautiful. Color amber turning to a rich, bright cherry red, highly perfumed Flesh light yellow, juicy, tendere and delicious; freestone. The tree is a strong upright grower, immensely productive. Season early.

Burbank—Flesh, yellow, firm, tender and very juicy, rich, sweet and aromatic. Very productive. Tree spreading and hardy. One of the best. Medium.

Wickson—Large, color carmine with a heavy white bloom; stone small; flesh fine, firm, sugary and delicious. Picked green, will ripen and color perfectly and keep two weeks or more after ripening, making it an excellent market plum Tree upright grower and productive.

PEACHES

30 cents each, $2.75 a dozen, $15.00 per hundred

Champion—A white freestone, ripening about September 1st. Delicious, sweet, rich and juicy, skin creamy white with red cheek, strikingly handsome. It is hardy, productive, early, largest size and highest flavor.

Crawford's Early—Very large, yellow, rich, sweet, luscious; free. Sept.

Crawford's Late—Very hardy, large, yellow, rich, sweet; free. September

Elberta—Takes the lead for beauty, size and quality. One of the *hardiest*, as large or larger than Crawford's Early, and its equal in beauty and flavor One of the finest yellow freestone peaches Fruit yellow with red cheek; flesh yellow, juicy, good quality; ripens slightly later than Early Crawford.

Fitzgerald—A native seedling, as large or larger than Crawford; freestone, very best quality. A heavy bearer, fruiting very young, almost invariably the second year after planting. Hardy. Ripens just after Crawford's Early.

Greensboro—Larger and earlier than Crawford's Early, and nearly freestone It is colored beautifully with crimson and has a yellowish cast; the flesh is white and of good flavor. The peach is large, many specimens measuring eight to nine inches in circumference Productive.

MAPLE, SCHWEDLER'S

The prices on all Trees include packing and delivery to express or freight office, but the purchaser is to pay the express or freight charges.

Not less then six trees at the dozen price.

ORNAMENTAL TREES

	Each.	Dozen.
Beech, Purple leaf	$1 00	$10 00
Birch, Cut-leaved Weeping	75	7 00
Catalpa, Speciosa	75	7 00
Catalpa, Bungei	1 00	10 00
Crab, Bechtel's Double-flowered (American)	75	7 00
Dogwood, White-flowering	75	7 00
Dogwood, Red-flowering	1 50	15 00
Elm, American White	85	8 00
Elm, Camperdown Weeping	1 00	10 00
Horse Chestnut	1 00	10 00
Judas Tree, or Red Bud (American)	1 00	10 00
Laburnum (Golden Chain)	75	7 00
Linden (American Basswood)	1 00	10 00
Linden (European)	75	
Magnolia Acuminata	85	8 00
Magnolia Conspicua	1 75	19 00
Magnolia Lenne	1 75	19 00
Magnolia Soulangeana	1 75	19 00
Magnolia Speciosa	1 75	19 00
Maple, Ash-leaved	60	6 00
Maple, Norway	1 00	10 00
Maple, Schwedler's	1 50	15 00
Maple, Silver-leaved	60	6 00
Maple, Sugar	1 00	10 00
Maple, Weir's Cut-leaved	85	8 00
Maple, Japan	2 25	24 00
Maple, Japan Purple-leaf	2 25	24 00
Maple Blood-leaved	2 25	24 00
Mountain Ash, (European)	75	7 00
Mountain Ash, Oak-leaved	75	7 00
Mountain Ash, Weeping	1 00	10 00
Oak, Pin	1 25	13 00
Plum, Purple-leaf	75	7 00
Poplar, Carolina	65	6 00
Arbor-Vitæ (Thuja Occidentalis)	60	6 00

EVERGREENS

Arbor-Vitæ, Douglas' New Golden	1 00	10 00
Arbor-Vitæ, Pyramidalis	85	8 00
Juniper, Irish	75	7 00
Spruce, Colorado Blue, two feet	2 00	
Spruce, Colorado Blue, 12 to 13 inches	1 50	
Spruce, Norway	60	6 00

INSECTICIDES AND FUNGICIDES

Note—Liquids and poisonous powders cannot be sent by mail. Directions for using printed on each package.

Aphis Punk. A convenient form for fumigating. 12 rolls (1 box), 60 cents; one dozen boxes, one case), $6.50; charges not prepaid.

Bordeaux Mixture. (Liquid). For fungous diseases. Directions for using on can. Pint, 30 cts.; quart, 50 cts.; gal., $1.50; charges not prepaid.

Bug Death. For potato bugs and blight; contains no arsenic; does not wash off. In comparative tests made on our farms last season Bug Death headed the list, not only as an insecticide, but kept the plants in a healthier condition and actually *increased the yield* over all others, while the potatoes when dug were healthier, contained more starch, and kept better than others. 1-lb. package, 15 cents; 3-lb. package, 35 cents; 5-lb. package, 50 cents; 12½-lb. package, $1.00; 100-lb. keg, $7.50; charges not prepaid.

Dalmatian Insect Powder. The true "Persian" insect powder, ¼ lb., 20 cents; ½ lb., 35 cents; lb., 55 cents; charges paid.

Dickey's Duster. For applying not only Bug Death but any other insecticide in powdered form, 25 cents each; charges not prepaid.

Fir Tree Oil. For all kinds of sucking insects, whether on root, stem of foliage, such as Green and Black Fly, Mealy Bug, Scale, Aphis, etc. Valuable also for animal parasites and insects. ½ pint, 40 cents; pint, 75 cents; qt., $1 35; gal., $5.00; charges not prepaid.

Hellebore. Pure and fresh; used largely for currant worms, etc. Pound, 30 cents; charges not prepaid.

Kerosene Emulsion. For scale insects, aphis, etc. Quart, 50 cents; gal., $1.00; charges not prepaid.

Nicofume. A tobacco-paper insecticide for fumigating only. Prices; small sizes (24 sheets), 75 cents; medium size (144 sheets), $3.50; large size (288 sheets), $6.50; charges not prepaid.

Nicofume Liquid. Pint, $1.50; charges not prepaid.

Nicoticide. (Liquid). Can be used either for fumigating or spraying ¼ pint 70 cents; ½ pint $1.25; pint, $2.50; quart, $4.50; ½ gallon $8 50; 8 lbs. (1 gal.), $15.00; charges not prepaid. Lamps, complete, 50 cts, postpaid.

Nikoteen Kills the Bugs. A thorough exterminator of all injurious insects. Pint, $1.50; charges not prepaid.

Slug Shot. Non-poisonous powder for Potato Bugs, Cabbage Lice and Worms, Currant Worms, etc. 5 lb. package, 30 cents; charges not prepaid.

Sulpho-Tobacco Soap. Used as a wash for roses, trees, and house plants. Very desirable for insects on animals. 3-oz. cake, 13 cents; 8-oz. cake, 30 cents; postage paid.

Tobacco Dust (The Black Stuff). Per lb., 25 cents; postage paid.

Vick's Excelsior Insect Exterminator. Will destroy Striped Bugs, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphis, Squash Bugs, Cockroaches, etc. This powder can be applied most thoroughly, economically, and quickly, by means of the bellows we have constructed for that purpose. 50 cents per pound, by mail. In lots of five pounds or over, 35 cents per pound by express at expense of the purchaser. Eight-inch Bellows, $1.50. Twelve-inch Bellows, $1.75. The Bellows can be sent only by express at expense of purchaser. For use in conservatories and for house plants we offer a small zinc Bellows, in two sizes. No. 1, with one ounce of Exterminator, 30 cents, postage paid. No. 2, with four ounces of Exterminator, 50 cents, postage paid.

Whale Oil Soap. Used as a wash for roses, trees, and plants affected with insects; ½ lb. box, 25 cents; 1 lb. box, 40 cents, postage paid. Special price on large quantities.

Miscellaneous Supplies

Bellows. For applying dry insecticides. Hand-made throughout from seasoned wood and best quality sheepskin. Eight-inch, $1.50; 12 in., $1.75. Charges not prepaid.

Dibbles. Used in transplanting, steel point. 35 cents each; 50 cents postpaid.

Grass Hooks or Sickles. Each, 40 cents; charges not prepaid.

Grass Shears. Best quality steel. 75 cents, postage not paid.

Grafting Wax. ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents, postpaid.

Garden Trowels. Solid steel, best grade only, 30 cents, not postpaid.

Labels. Wooden; painted. Charges not prepaid.

3½ inch, pot, per 1000	$0.75	6 inch, pot, per 1000	$1.50
4 inch, pot, per 1000	.90	8 inch, pot, per 1000	4.00
4½ inch, pot, per 1000	1.00	3½ inch, tree, copper wired per m	1.70
5 inch, pot, per 1000	1.25	5 inch, notched, per 1000	2.25

Mastica. For glazing work. A putty-like preparation. Sets quickly. Can be used in cold weather, and does not run or crack. Use in putty-bulb or machine. Gallon pails, each, $1.35; machines, each, $1.50; charges not prepaid.

Mole Traps (The Out O'Sight). It is not complicated, or easy to get out of order, easily set without danger to yourself, can be used in hotbeds, or without disturbing runway. Full explanation of habits of moles furnished with each trap. Price, $1.25, by mail postage paid. By express $1.00, express charges not prepaid.

Potting Soil. Especially prepared and sifted, per bu. 75 cents; bbl., $1.75; charges not prepaid.

Putty Bulbs. For applying liquid putty, mastica, etc. Each, $1.10, postpaid

Pruning Shears. Charges not prepaid.

No. 1537—8-inch	$0 65	6-inch, Nickle Plated	$0 85
No. 1537—8½-inch	85	10-inch, Wiss, genuine	2 50
No. 1538—8½-inch	1 00	9-inch, Wiss, genuine	2.25

Raffia. For tying, per lb., 20 cents; 5 lbs., 80 cents; 10 lbs., $1.50; charges not prepaid.

Syringes. Brass. Charges not prepaid.

No. A—12-inch barrel, 1-spray rose and jet	$2 75
No. 12—14-inch barrel, 2-spray rose and jet	3 50
No. 11—16-inch barrel, 2-spray rose and jet	5 00
No. 5—18-inch barrel, 2-spray rose and jet	6 00

Sprinklers. Tyrian. Rubber, made with a perforated detachable top; valuable for window gardening, bouquet sprinkling, dampening clothes, etc.; postpaid.

6-ounce size, straight neck	$0 75
6-ounce size, bent neck	85
8-ounce size, straight neck	90
8-ounce size, bent neck	1 10

Weeders. Claw, 25 cents; Hazeltine, 40 cents; Lang, 30 cents; Brown's Easy, short handled, 50 cents; postage paid.

Fertilizers

Pulverized Sheep Manure. This is a pure natural, odorless fertilizer and the most nutritious food for all vegetable growth. The best for lawn, garden and greenhouse use. Its effect is immediate, lasting, and it can be applied without risk. Strewn over and dug into the soil it promotes a rapid, steady growth until maturity of the plants. For either flower or vegetable it makes the richest safest and quickest liquid invigorator. On lawns its effect is readily apparent, but if applied in spring or fall will achieve best results. Quantity to an acre one ton, 12 lb. to 300 square feet. 6 lbs., 35 cts.; 25 lbs., 75 cents; 50 lbs., $1.25; 100 lbs., $2.00; charges not prepaid.

Walker's Floral Fertilizer. A chemically correct flower food for house plants. Has no odor, and can be used dry or dissolved in water for sprinkling. Small size (feeds 25 plants six months), 25 cents; large size (feeds 25 plants for one year), 50 cents; postage paid.

Nitrate of Soda (Chili Saltpetre). The best and cheapest form of Nitrogen for plants. Highly concentrated and immediately available. Nothing like it to make plants grow. Price subject to market changes. 3 lbs., 30 cts.; 5 lbs., 50 cts.; 10 lbs., 75 cts.; 25 lbs., $1.50; 100 lbs., $4.00; charges not prepaid.

Pure Raw Bone Meal. 1 lb., 10 cents (by mail 25 cents); 5 lbs., 30 cents; 10 lbs., 50 cents; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00; charges not prepaid.

Peruvian Guano. In 200 lb. bags only; per bag, $5.00; per ton, $40.00.

KNIVES BUDDING AND PRUNING

Budding.	No. 716—1 blade, open; cocoa handle	$0.25
	No. 419—2 blade, folding, ivory handle, superior steel	1.25
	No. 690—2 blade, folding, buffalo handle, ivory tip	1.00
	No. 919—1 blade, folding, ivory handle	1.35
	No. 917—1 blade, folding, ivory handle, sheep's-foot blade	1.35
Pruning.	No. 117—1 blade, folding, cocoa handle, round end	.80
	No. 801—1 blade, folding, cocoa handle	.65
	No 923—1 blade, folding, stag handle	1.00
	No. 928—1 blade, folding, stag handle	1.25

BASKET MAKING MATERIALS

Raffia. The inner skin of a palm found in Madagascar. Raffia is very strong and tough, but soft and flexible, which facts make it the only practical article for weaving into fancy baskets, boxes and mats. In its natural color it is a light straw, but for basket work various colors are used; our list is complete and embraces the following:

No. 3—Indian Red	No. 14—Sage Green	No. 8—Pink
No. 12—Light Orange	No. 17—Emerald Green	No. 10—Brown
No. 5—Yellow	No. 6—Dark Navy	No. 9—Black
No. 16—Bright Yellow —Christmas Red	No. 7—Red	No. 13—Bright Green

PRICES ON BASKET MATERIALS—Postage Paid

		OUNCE	¼ LB.	POUND
Raffia—Colored	See colors above	$0 10	$0 20	$0 65
Raffia—Natural		10	15	40
Reeds—No. 1		15	30	1 00
No. 2		10	25	85
No. 3		10	25	85
No. 4		10	25	80
No. 5		10	20	75
No. 6		10	20	65

Samples of Raffia and Reeds on application.

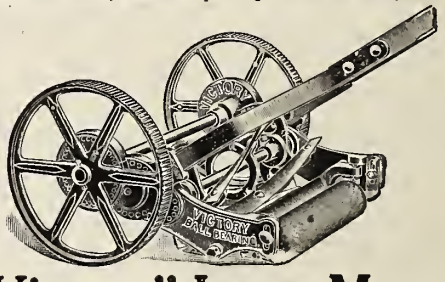
BOOKS ON BASKETRY

Basket-Making. By T. Vernette Morse. 32 pages, illustrated with 106 working designs. A condensed work valuable to the beginner. Postpaid 25 cents.

How to Make Baskets. By Mary White. 200 pages, cloth bound, finely illustrated with working designs and half-tone plates. The best work on the subject we have seen. Postpaid, $1.10.

BROWN'S EASY WEEDER

This new idea as a weeding device has made itself an immediate favorite with growers everywhere. With it, a boy can do more and better work than two men with any other tool ever put on the market. Does not cut or destroy the roots of plants. Takes out all the weeds; its oval shape permitting the operator to weed behind the plants while standing in front. It works the surface to a fine mulch. It makes the hard places easy to reach. For working in ashes or commercial fertilizers, it has no equal. **50 cents each,** by mail, postpaid



"Victory" Lawn Mower

Ball Bearings. Easy to Operate. The Best Mower Ever Built

The adjustments of the "Victory" Lawn Mowers are the simplest, most perfect, and most positive. They cut within 1¾ inches of an obstruction. The cutter bars will stay on the ground and cut their full swath clean (other short-coupled mowers kick up behind in heavy grass). The mowers are well speeded, and bite small and frequent, leaving a beautiful velvety lawn. Ball bearings of the highest grade, exact to ¼ of .10000 of an inch, which reduces the friction astonishingly—even more in a mower than in a bicycle.

Ten-inch Wheel. Four-Bladed Reels. Ball Bearings.

14-in.	16-in.	18-in.	20-in.	22-in.	24-in.
$8.50	$9.50	$10.50	$11.50	$12.75	$13.50

By Express or Freight, charges not prepaid

Practical Hints on Sowing and Caring for Plants

By Professor L. B. Judson, formerly of the College of Agriculture, Cornell University

WARMTH and moisture are the leading essentials in the germination of seeds, and all directions for planting are largely designed to secure these conditions in the proper degree. Some seeds, like barley, will germinate even on cakes of ice, and others under water, but most garden seeds require genial warmth and constant but not excessive moisture to sprout vigorously.

When to sow. Wait till the ground is thoroughly warmed in the spring before sowing. Even the crops that do best when planted as soon as the ground can be worked in spring, like peas, radishes, and onions, gain little by being put in the first warm day, for the ensuing cold weather often brings them to a dead stand for a week or two at a time. Plants for early setting, such as tomatoes or cabbages must be started under glass, or at the kitchen window, from seed sown in February or March.

Depth to sow. Three times the diameter of the seed is a good general rule. Early peas, however, should be covered two inches deep, and the main season sorts four. Fine seeds are best not covered at all, but merely sown on the surface of very finely prepared soil, and pressed in. In sowing small seeds with a drill, there is always danger of burying them too deeply; lettuce, for instance, can readily be planted so deeply it will never come up. Where the soil is stiff all seeds should be covered more lightly than in light mellow soils.

Preparing the seed bed. Deep and thorough must be the preparation of the soil if speedy and uniform germination is to result. Deep plowing or spading is essential to provide a proper reservoir for moisture and abundant pasturage for the roots. After the soil is finely pulverized and leveled down with a rake or other tool the top soil will be left fine and free from lumps. Scatter fertilizers thinly and evenly over the bed just as you are finishing, and rake in. Never allow seeds to come in contact with stable manures.

Amount to sow. Seeds are often sown too thickly, making the labor of thinning very great and attended with damage to the remaining plants. Thick seeding is advised only where crowding is expressly sought, as in lawns, or where the seeds are known to be partly worthless. Stock purchased from a reliable seedman is above suspicion.

Soaking. The germination of many seeds is hastened by soaking them in water till they begin to swell, but this treatment is seldom advisable for small seeds, because they may be injured. Early planted peas often go into a soil too cold to induce prompt germination, and a previous soaking brings them up much sooner; and still more advisable is the practice if one has postponed sowing till the best season is past, and wishes to make up for lost time.

Shading. It is a great help to sprouting seeds to have the soil shaded from the sun until the plants appear above ground, especially in the case of small and delicate seeds, like celery. Sometimes boards are laid on the ground over the rows, care being taken to remove them as soon as the tender sprouts appear at the surface. A safe covering is a light mulch of lawn clippings, pine needles or other short litter, as the plants can push up into it without harm, though most of it should be raked into the space between the rows as soon as the plants are fairly up. Brush supported about six inches above the soil on a low frame also makes a good shade, and may be left till the plants are several inches high. The cabbage seed bed may be shaded, and the troublesome root maggot and other pests kept from it at the same time, by enclosing it with twelve-inch boards set on edge, and stretching cheese-cloth across the top. The cloth is left till the plants are set in the field, the shade being beneficial throughout.

Sowing under glass. Some plants, like tomatoes, egg plants, and asters, will not come to full maturity in most parts of this country unless the season is artificially lengthened, and this can most readily be done by starting the plants early under glass in the greenhouse, hothed or at the kitchen window. If the plants are grown at a window, the box should be turned end for end each day, or the plants will be drawn strongly toward the light, and become unsuitable or setting out. It is very convenient to sow the seeds in a shallow box or "flat" four inches deep and any convenient size, from 12 x 16 to 18 x 24 inches The box is filled with good garden loam, not over rich, and the seeds sown rather thickly in shallow drills one inch apart. Such seeds as lettuce and asters are frequently sown broadcast. If several varieties are sown in the same flat, press a small stick in the soil to show the dividing line. Cover the seeds by sifting a little soil over them, and then water thoroughly, using a sprinkler with fine rose so as not to wash out the seeds. Washing can also be effectively prevented by laying a piece of muslin over the soil and watering on top of the cloth. Leave the cloth on till the plants appear, and less watering will be required. The flats should be examined each day to see that the surface soil does not dry out. After the plants are up great care must be taken in watering not to keep the surface wet and the soil beneath dry, as this is most certain to result in an attack of "damping." The fungus producing this disease attacks the stem of the seedling near the surface of the ground, browning and shrivelling the stem till the plant lops over and finally dies. Water thoroughly, and then wait till the subsoil plainly needs more. Try to keep the subsoil in moist condition and at the same time have a thin layer of soil on the surface decidedly dry.

Damping off is not likely to be troublesome if the soil is sterlized, as may be readily done by baking it before using. Another method of sterilization which will destroy all fungi, insects, and active eel worms, but not the eggs of the latter, consists in drenching the soil with formalin, one quart to 50 gallons of water, using one gallon to each square foot of surface.

As soon as the seedlings are large enough to handle, or begin to crowd, they must be "pricked off" or transplanted into another flat 1 x 2 inches apart, using a sharpened stick the size of a lead pencil for a dibber. The plants are commonly left to grow in this flat in a crowded condition until they are set out. Better tomato plants can be grown by potting them off from the flat when they begin to crowd, using tomato cans, berry boxes or pots. Tin cans should be thrown into the fire until the seams melt apart. The cylinder of tin is then held together with a piece of string or wire. When the plant is to be moved a flat trowel or spade is run under the can and the whole readily lifted Cut the wire or string and the can falls away leaving the ball of earth intact. It is hard to preserve this ball if the bottom is left in the can, as the earth clings tightly to the sides, and removing will more or less disturb the roots of the plants.

Transplanting. Choose a dull day if possible for this work, but if the plants are of good size and becoming crowded, do the work anyway. The very best time for transplanting is a few hours before a good shower, as the rain settles the earth firmly about the roots, and the wetting keeps the plants from flagging. Some wait for a rain, and set out plants as soon afterwards as possible; but this is a far less favorable time than before, as the ground is either too muddy or too hard, unless reworked, and the earth is not well settled until another rain. If plants are set in hot, dry weather, they should be watered in, giving at least a pint to each plant. Where only a small number of plants are to be put out, begin operations the latter part of the afternoon, so that the plants may have the cool air of night in which to recover. Plants will flag much less if shaded a day or two by a shingle stuck on the south side, or a handful of lawn clippings placed over them. Plants from pots of course get no check, and need no protection.

It is a mistake to attempt to save all the root system of seedlings, unless handled in pots, as the roots are usually so long as to interfere with rapid planting. It is much better to clip back the roots than crowd them into a hole, to become distorted and fairly strangled by later growth If the top is well developed, shorten it too, to balance with the roots, and the ease in handling will more than offset what slight advantage there might be from longer roots.

One must be careful not to expose the roots of the plants to the air and sun any more than necessary. Keep the plants covered with a wet gunny sack from the time they are taken from the seed bed until wanted for planting If some time is likely to elapse between taking them up and setting them out, the roots may be further protected by dipping them in claywater.

Ornamental and Flowering Plants for Special Purposes

For Constant and Brilliant Bloom. Asters in all varieties, Sweet Alyssum, all the dwarf Cannas, Calliopsis, Eschscholtzia, scarlet Geraniums, Nasturtium, Petunia, Phlox Drummondii, Portulaca, Sweet Peas, Verbena, Double Zinnia.

Low-Growing Plants for Masses of Color. White—Sweet Alyssum, white Ageratum, white Brachycome, white Candytuft, Vick's white Phlox Drummondii, white Portulaca, white Verbena.

Blue—Ageratum Swanley Blue, blue Brachycome Heliotrope, Lobelia, blue Verbena.

Red—Carmine and Crimson Candytuft, Geranium, Phlox Drummondii brilliant scarlet, Phlox grandiflora scarlet and dwarf Fireball, Poppy, red Portulaca, Tropæolum King of Tom Thumbs and Carter's Tom Thumb and crimson varieties if desired, red Verbena.

Yellow—Gaillardia, orange and yellow Eschscholtzia, French Marigold and especially the variety Tagetes signata pumila, Portulaca aurea vera, yellow, and Lady Bird Tropæolum.

Plants for Window Boxes. Abutilon, Sweet Alyssum, Begonia, Fuchsia, Geranium, Grevillea robusta, Ivy Geranium, English and German Ivy, Lobelia, Maurandya, Mignonette, Petunia, Schizanthus, Thunbergia, Tropæolum.

Dwarf Plants for Edgings and Borders. Ageratum, Sweet Alyssum, Alternanthera, dwarf Candytuft, Coleus, Double Daisies, Golden Feverfew, Little Gem Feverfew, Heliotrope, Lobelia, Mignonette, Myosotis, Pansies, Phlox Drummondii, Pinks, Veronica, Vinca, Violets.

Plants for Cemeteries. Anemone Whirlwind and Japonica, Astilbe Japonica, Achillea the Pearl, Bulbias, Hemerocallis flava, Hydrangea paniculata grandiflora, Lilies, Lily of the Valley, Day Lily or Funkia alba, Chinese Peonies, Polyantha Roses, Rose Madame Plantier, Spirea Van Houttei, Vinca minor, Hydrangea arborescens.

Fragrant Flowers. Asperula odorata, Sweet Alyssum, Candytuft, Carnation, Clematis paniculata, Honeysuckle, Heliotrope, Lily of the Valley, Lily, Mignonette, Mirabilis, Nicotiana affinis, Pansy, Sweet Peas, Pink, Rocket, Rose, Sweet William, Ten Weeks Stock, Tropæolum, Tuberose, Verbena, Violet, Wallflower.

Climbing Plants. Ampelopsis, Aristolochia, Adlumia cirrhosa, Bignonia radicans, Convolvulus major, Cobœa scandens, Cypress Vine, Clematis, Cardiospermum (Balloon Vine), Chinese Matrimony Vine, Chinese Yam or Cinnamon Vine, Dolichos, the Gourd family, Humulus Japonicus, Honeysuckle, Ipomœa of different varieties and especially I Bona Nox and the Brazilian Morning Glory, English Ivy, Maurandya, Perennial Peas.

Plants for Vases and Baskets. Ageratum, Sweet Alyssum Little Gem and Carpet of Snow, Abutilon, Begonia, Canna, Coboea, Coleus, Cuphea (Cigar plant), Dracæna indivisa, Fuchsias, Grevillea robusta, Geraniums, Heliotropes, Lobelia, Lantana, Mimulus, Myosotis, Maurandya, Manettia Vine, Madeira Vine, Nierembergia gracilis, Oxalis floribunda, Portulaca, Petunia, Schizanthus, Tropaeolum, Thunbergia, variegated forms of Vinca major, Veronica.

Index of Articles in this Catalogue

Abobra 55
Abutilon 71, 81
Achillea 72
Acroclinium 71
Acuba 81
Adlumia 51
Adonis 51
Ageratum 50, 81
Agrostis nebulosa 71
Akebia 78
Alfalfa 37
Alleghany Vine 51
Althæa 76
Alyssum 50, 72
Amarantus 50
Amaryllis 85
Ampelopsis 71, 77
Anemone 72
Anise 35
Anthericum 81
Antirrhinum 41, 50
Aquilegia 50, 72
Aristolochia 77
Artichoke 2, 39
Arundo Donax 71
Asparagus 2, 30
Asparagus, Ornamental 81
Asperula 51
Asters 41, 42, 43, 44, 45, 46, 47, 48, 49
Australian Glory Pea 71
Azalea, 76

Baby Eyes 63
Baby's Breath 55
Bachelor's Button 53
Balloon Vine 52
Balm 35
Balsam 51
Balsam Apple 35
Balsam Pear 55
Barberry 76
Barley 40
Bartonia 51
Basil 35
Basket Materials, 94
Beans, 3, 4, 5, 35, 39
Beets 6, 7
Begonia 71, 81, 85
Bell-flower 52
Bellows 94
Benincasa cerifera 55
Berberis Thunbergii 76
Bignonia 71, 77
Bird of Paradise 71
Bitter Sweet 71
Blackberries 90
Blanket Flowers 56, 73
Bleeding Heart 72
Boltonia 72
Books 35
Books on Basketry, 94
Borage 31
Bordeaux Mixture 93
Borecole 2
Boston Ivy 71, 77
Brachycome 53
Briza 71
Broccoli 2
Brompton Stock 69
Broom Corn 39
Brussels Sprouts 2
Bryonopsis 35
Buckwheat 40
Bug Death 93
Bulbs, Seeds of, 71
Bulk Seeds 35

Cabbage 8, 9
Caladium 85
Calceolaria 71, 81
Calendula 54
California Poppy 53
Calla 85
Calliopsis 51
Campanula 52, 72
Canary Bird Flower 59
Candytuft 52
Canna 51, 83
Canterbury Bell 52, 71
Caraway 35
Cardinal Flower 56, 73
Cardiospermum 52
Carex Japonica 81
Carnation 54, 71, 81
Carrots 10
Caryopteris 76
Castor Oil Bean 65
Catchfly 52
Catnip 35
Cauliflower 15
Celastrus 71
Celery 11
Celeriac 11
Celosia 52
Centaurea 53
Chicory 14
Chinese Bell Flower 71, 73
Chinese Peonies 73
Chinese Pinks 54
Chinese Primrose 71
Chrysanthemum 51, 71, 82,
Chrysurus 71
Cigar Plant 71
Cineraria 71
Cinnamon Vine 77
Cives or Cbives 10
Clematis 71, 73, 77
Clianthus 71
Climbers 77
Clover 40,
Cobœa scandens 53
Coccinea Indica 55
Cockscomb 52
Coix Lachryma 71
Coleus 71, 81
Collards 9
Collections Fl'r Seeds 41
Collections of Vegetable Seeds 2d cover
Columbine 50, 72
Convolvulus 58
Coreopsis 51, 73
Coriander 35
Corn 12, 13, 14, 35
Corn-Bottle 53
Cornflower Aster 66, 73
Corn Salad 10
Cosmos 52
Cow Peas 39
Cress 15
Cucumber 16, 17
Cucumis odoratissimus 55
Cuphea 71
Currants 89
Cyclamen 71
Cyperus 84
Cypress Vine 52

Dahlia 71, 86, 87
Daisy 54, 59, 72
Dandelion 15
Datura 54
Day-Lilies 75
Delphinium 57, 73
Dianthus 54, 73
Dibbles 93
Dicentra 72
Digitalis 55, 73
Dill 35
Dolichos 56
Dracaena 81
Dusters 93
Dusty Miller 53, 71
Dutchman's Pipe 77

Echinocystis lobata 55
Egg Plant 17
Elephant's Ear 85
Endive 19
Erianthus 71
Eschscholtzia 53
Eulalia 73
Euphorbia 55
Evening Glory 55
Everlastings 71

Farm Seeds 30, 40
Feather Grass 71
Fennel 35
Ferns 83
Fertilizers 37, 94
Fetticus 10
Feverfew 63, 81
Ficus 84
Field Corn 13, 14
Fire on the Mountain 55
Fir Tree Oil 93
Flame Flower 73
Flowering Maple 71, 81
Flowering Sage 66
Forget-me-not 57
Forsythia 76
Four O'Clock 57
Foxglove 55, 73
Fruit and Ornamental Trees 92, 93
Fuchsia 71, 83
Fungicides and Insecticides 93
Funkia 75

Gaillardia 56, 73
Garden Requisites 94
Geranium 71, 84
German Ivy 84
Gladiolus 71, 88
Globe Amaranth 71
Gloxinia 71, 85
Gold Dust Tree 81
Golden Glow 73
Gold Flower 72
Gomphrena 71
Gooseberries 90
Gourds 55
Grafting Wax 94
Grain 40
Grapes 90
Grass, Ornamental 71
Grass Seed 36, 38, 38
Grass Shears 94
Greenhouse Seeds 71
Grevillea robusta 71, 81
Guano 37, 94
Gumbo 27
Gynerium 71
Gypsophila 55, 73

Hardy Climbers 77
Hardy Climbers, Seeds of 71
Hardy Shrubs 76
Hardy Plants and Bulbs 72
Hare's Tail Grass 71,
Hedge Seeds 39
Helianthus 66
Helichrysum 71
Heliotrope 55, 81
Helipterum 71
Hellebore, Powdered, 93
Hemerocallis 75
Herbs 35
Hercules' Club 55
Hibiscus 71, 72,
Hoarhound 35
Hollyhock 55, 72
Honey Locust 39
Honeysuckle 77
Hop 35, 56
Hordeum jubatum 71
Horse Radish 15
Hunnemannia 55
Hyacinth Bean 56
Hydrangea 76, 83
Hypericum 72
Hyssop 35

Ice Plant 56,
Impatiens 71
Indian Pink 54
Insect Destroyers 93
Ipomœa 52, 55, 58, 84
Iris 72
Ivy 77, 84

Jacobean Lily 85
Japan Pinks 54
Japanese Hop 56
Japanese Ivy 71, 77
Japanese Morning Glory 58
Jasmine 84
Jerusalem Corn 39
Job's Tears 71
Johnson Grass 39
Joseph's Coat 50

Kaffir Corn 39
Kale 2
Kenilworth Ivy 71
Kentucky Blue Grass 38
Kerosene Emulsion 93
Knives 94
Kochia 56
Kohl Rabi 19

Labels 94
Lace Fern 81
Lady's Slipper(Balsam) 51
Lagurus ovatus 71
Lamarckia aurea 71
Lantana 71, 83
Larkspur 57, 73
Lavender 35, 84
Lawn Grass 36
Lawn Mowers 94
Leek 19
Lemon Cucumber 17
Lemon Ponderosa 83
Lemon Verbena 84
Lettuce 18, 19
Lilac 76
Lilies 74, 75
Lily of the Valley 75
Linaria 71
Linum 56
Lobelia 56, 73
Locust, Honey 39
Love-in-a-mist 61
Love-in-a-puff 52
Love-in-the-grove 63
Love-lies-bleeding 50
Lucerne (Alfalfa) 37
Lychnis 56, 73
Lycoris 75
Lysimachia 73
Lythrum 73

Madeira Vine 85
Magic Flower 75
Maitrank 51
Malope 57
Manettia Vine 84
Mangel Wurzel 7
Marguerite 51
Marigold 54, 57
Marjoram 35
Marvel of Peru 57
Mastica 94
Matrimony Vine 77
Maurandya 57
Melons 20, 21
Mesembryanthemum 56
Mexican Fire Plant 55
Michælmas Daisies 73
Mignonette 58
Millet 38
Millo Maize 39
Mimosa pudica 63
Mimulus 61
Mirabilis 57
Miscellaneous Supplies 94
Mock Orange 55
Monkey Flower 61
Mole Trap 94
Momordica 55
Monarda Didyma 72
Montbretia 85
Moon Flower 55, 84
Morning Glory 58
Mountain Fringe 51
Mourning Bride 69
Mushrooms 19
Muskmelons 20
Musk Plant 61
Mustard 27
Myosotis 57

Nasturtium 41, 59, 84
Nemophila 63
Nerium 71, 84
Nicotiana 61
Nicoticide 93
Nierembergia 65
Nigella 61
Oats 40
Okra 27
Oleander 71, 84
Olive 84
Onions 22, 23
Onion Sets 23
Ornamental Grasses 71
Osage Orange 39
Otaheite Orange 83
Othonna 84
Oxalis 71, 84, 85

Painted Leaf 55
Palms 84
Pampas Grass 71
Pansy 41, 60, 61
Papaver 64, 73
Paris Daisy 51
Parsley 27
Parsnip 27
Passion Flower 71, 84
Pasture Grass 38
Peas, Flowering 67, 68
Peas, Garden 24, 25, 35
Peas, Perennial 68, 77
Pennisetum longistylum 71
Penststemon 73
Peonies 73
Pepper 27
Peppergrass (Cress) 15
Perilla 63
Periwinkle 70
Petunia 62, 84
Pheasant's Eye 51, 54
Phlox Drummondii 41, 63
Phlox, Perennial 73
Physostegia 73
Picotee 54
Pie-Plant 29
Pinks 54, 73
Plants for Special Purposes 95
Platycodon 52, 73
Poinciana Gillesii 71
Polyanthus 63
Pop Corn 14
Poppy 41, 64
Portulaca 65
Potatoes 26
Pot Marigold 54
Potting Soil 94
Primrose 63, 71, 84
Primula 63, 71, 73, 84
Privet 76
Pruning Shears 94
Pumpkin 30
Purple Fringe 76
Putty Bulbs 94
Pilogyne 84
Pyrethrum 63

Radish 28, 29
Raffia 94
Ragged Sailor 53
Rape 39
Raspberries 89
Red Hot Poker 73
Reeds 94
Rhodanthe 71
Rhubarb 29
Ricinus 65
Rosemary 35
Rose of Sharon 76
Roses 78, 79, 80
Romaine 19
Rubber Plant 84
Rudbeckia 73
Rue 35
Ruta Baga 34
Rye 40

Saffron 35
Sage 35, 84
Salpiglossis 65
Salsify 30
Salvia 66, 73, 84
Savory 35
Scabiosa 69
Schizanthus 63, 71
Scolymus 30
Scorzonera 30
Seeds for Greenhouse 71
Seeds in Bulk 35
Seeds of Bulbs 71, [71
Seeds of Hardy Climbers
Seeds of Tender Plants 71
Sensitive Plant 63
Shasta Daisy 69, 72
Shears 94
Sheep Manure 37, 94
Sickels 94
Silene 52
Silk Oak 71, 81
Slug Shot 93
Small Fruits 89, 90, 91
Smilax 71, 84
Smoke Tree, 76
Snapdragon 41, 50
Snowball 76
Snow on the Mountain 55
Soja Bean 39
Solanum 71
Sorghum 39
Sorrel 35
Sowing Seeds and Transplanting 95
Spanish Salsify 30
Spinach 29
Spiræa 73, 76
Sprayers 3d cover
Sprinklers 94
Squirrel-tail Grass 71
Squash 31
Stevia serrata 71
Stipa pennata 71
Stocks 69
Stokesia cyanea 66, 73
Strawberries 91
Sugar Cane 39
Sulpho-Tobacco Soap 93
Summer Cypress 56
Sunflower 39, 66
Swainsonia 84
Swan River Daisy 53
Sweet Alyssum 60
Sweet Corn 12, 13, 35
Sweet Peas 41, 67, 68
Sweet Rocket 69
Sweet Sultan 53
Sweet William 66, 74
Swiss Chard 7
Syringa 76
Syringes 94
Summer Asparagus 30

Tamarix 76
Tansy 35
Tecoma radicans 71, 77
Tender Plants and Bulbs 81
Ten Weeks Stock 69
Thunbergia 70
Thyme 35
Tigridia 85
Timothy 38
Tobacco 34
Tobacco Dust 93
Tomato 32, 33
Transplanting 95
Tritoma 73
Tropæolum 41, 59
Trowels 94
Trumpet Vine 71, 77
Tuberose 85
Tuberous Begonias 71, 85
Tufted Pansies, 70
Turnip 34

Umbrella Palm 84

Variegated Hop 56
Vegetable Oyster 30
Velvet Bean 39
Verbena 41, 69
Veronica spicata 73
Viburnum 76
Vinca 70, 84
Viola 70
Violets 70
Virginia Creeper 71, 77

Wallflower 70
Watermelons 21
Weeders 94
Weigela 76
Whale Oil Soap 93
Wheat 40
Wild Cucumber 55
Wild Garden 71
Wistaria 77
Wormwood 35

Xeranthemum 71

Yellow Tulip Poppy 55
Yucca 73

Zinnia 70

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

JAMES VICK'S SONS.

You Must Spray to Get Good Crops

The Paragon Sprayer

For Spraying Trees, Vines, White Washing, Water Painting, Disinfecting, and Many Other Purposes

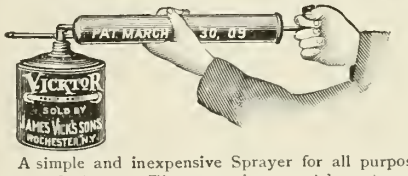
This machine is portable, durably constructed and so arranged as to be easily operated by one man. It can be brought in close proximity to the work, thereby eliminating the use of a long expensive hose. The patented self-cleaning strainer prevents the necessity of first straining the liquid to be sprayed. This is a point that should not be overlooked, as straining liquid white-wash in particular is a slow and disagreeable task. The spray nozzle has only a 1-32 inch outlet and spreads the liqnid well, thereby covering a large surface with a small amount of liquid, making it a very economical sprayer. The spray will not clog as the strainer has very small openings through which the liquid must pass before entering pump. The strainer cannot clog because the agitator passes over opening in it with each stroke of pump, brushing off any dirt or grit that may have a tendency to choke it. The agitator also keeps the liquid thoroughly stirred while in use. All parts of the machine are made of the best materials obtainable. The hose is of the very best quality. The reservoir is made of heavy galvanized iron. All essential fittings and valves are made of brass, making it very strong and durable. The pipes are black wrought iron of good quality. The body of pump is cast iron, well ribbed to prevent breakage. The screen is of heavy perforated brass and will last many years. The pump frame can easily be removed from tank when it needs cleaning, and by running water through machine after using, the entire machinery can be easily and thoroughly cleaned.

White Washing. We wish to call particular attention to the usefulness of this machine for white washing and water painting. White walls and ceilings produce much light and cleanliness. White-wash is also a very good disinfectant. This machine is just the thing for whitening and disinfecting factories, shops, cellars, attics, stables, slaughter houses, dairy buildings, poultry houses, engine rooms, breweries, fences, blind walls, etc. The price is so low that anyone can possess one.

No. 3 (12 Gallons) Net Price $15.00

Equipment, 7½ feet Extension Pipe; 10 feet 5-ply Hose; 2 Spraying Nozzles. This machine is mounted on a strong steel frame and can easily be wheeled to any desired place. Nos. 1 and 3 can be furnished with all brass pumps for $4.00 additional.

The Vicktor Hand Sprayer



The Best and Simplest Hand Sprayer on the Market

Throws a Continuous Spray

Reservoir and Pump of Brass

A simple and inexpensive Sprayer for all purposes. Reservoir holds one quart of solution. The spray is created by using a check valve which holds the air pressure in the reservoir. The pump can be unscrewed, so that the reservoir may be easily filled. The Vicktor Sprayer is made in two styles.

All Brass, price $1.00 each. Special Tin, price, 75 cents each.

Auto-Spray No. 3-B

While primarily built for applying whitewash and cold water paint, it is also perfectly adapted as a general purpose sprayer for trees, plants, shrubs, vines, etc. The tank is made of either brass or galvanized iron, as ordered, and has a capacity of eight gallons solution. The pump and large air-chamber are made of heavy brass, and the pump is fitted with a special graphite packing which can be readily adjusted. The agitation is mechanical and effective.

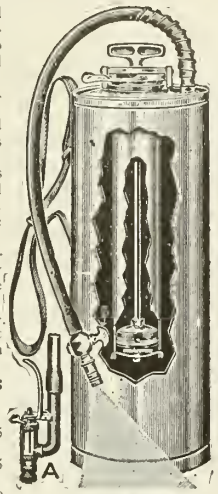
We offer this machine as the best all-around size and equipment in lever handle high pressure pumps for small orchards and general work. It can be easily carried about, either by the handles or mounted on a wheelbarrow.

Each machine securely crated, and complete with eight feet of high-grade hose, eight feet of extension, stop cock and Vermorel nozzle. Shipping weight, 40 pounds.

Auto-Spray No. 3-B—Galvanized tank, complete $11 20
Auto-Spray No. 3-C—Brass tank complete 13.20

Prices quoted f. o. b. express or freight office, Rochester.

The Auto Spray No. 1



PATENTED.

Fully guaranteed. The only practical compressed air sprayer, and useful in the fullest variety of spraying. We recommend it for trees, vines, shrubs, up to five acres of field crops, disinfectants, and small white washing jobs.

There is no other sprayer which will do such a variety of work and do it so well.

The tank is furnished in either brass or galvanized iron as desired, and has a capacity of three gallons solution.

There are no screw or spun thread connections whatever in the construction of the machine, and even the pump is locked to the tank by means of a cam which can be removed or replaced by a simple twist of the wrist.

The pump is of heavy brass two inches in diameter, and two or possibly three pumpings will empty the tank under higher or more constant pressure than any other knapsack sprayer.

We recommend the brass tank, as it will not corrode; also the Auto Pop No. 1 Shut-off, automatic in action and operating a self-cleaning wire through the nozzle.

Each machine securely packed in a separate box; shipping weight 15 pounds.

Auto-Spray No. 1-A—Brass tank and stop cock $6.75
Auto-Spray No. 1-B—Brass tank with Auto Pop (Recommended) 7.65
Auto-Spray No. 1-C—Galvanized tank and stop cock 4.50
Auto-Spray No. 1-D—Galvanized tank and Auto Pop 5.40
Brass extension pipe, two feet 45
Galvanized extension pipe 35
Brass elbow extension 30
Brass strainer 90
Auto Pops, supplied separately 1.15

All prices quoted f. o. b. express or freight office, Rochester.

N. C. A. Non-Clog Automatic Nozzle

The most valuable nozzle on the market. Positively the only nozzle that will not clog, despite the claims of other manufacturers. Its good points will appeal to any practical orchardist. Can be adjusted by a simple mechanism to throw from a fine spray eighteen inches from the nozzle mouth, to a concentrated form throwing twenty feet Has a capacity of two, three or four point Vermorel, according to the disc used, each nozzle being furnished with four discs. A special feature is the patented screen through which the solution passes before entering the nozzle and absolutely prevents the possibility of clogging. Patent applied for. Net price, $1.00 brass. Also fitted with standard ¼ inch pipe thread.

The "Brandt" Sprayers

The "Brandt" has a patented device for maintaining an even and high pressure, which is absolutely necessary to obtain a satisfactory spray. One stroke will spray twenty hills of potatoes or same number of similar plants, therefore its labor-saving powers cannot be surpassed. Especially adapted for fast work.

Uses. Sprays Paris green, Bordeaux Mixture, Sulphate of iron for killing weeds, white arsenic, tobacco infusion, stock dip, and all other liquid applications; also used for white washing and disinfecting poultry houses, barns, cellars, etc.

The Tanks are made of heavy brass or galvanized steel and will not rust or corrode. Are tested with four times more pressure than used for spraying, and will not burst. Filler plug and connections are made of brass. The shoulder straps and body rest make it easy and convenient to carry. Capacity three gallons. Weight seven pounds.

The Pump has a brass air reservoir. In the plunger is a check valve for the air to pass through on return stroke, making it easy to operate and doubling its capacity.

The Nozzles are made on a new principle and work with a conbination of liquid and air which produces more force with seven pounds of pressure than others do with 100 lbs.—giving a fine mist-like spray which is sent out with such force that clogging is impossible. The nozzle included with sprayer can be used for all ordinary purposes.

The Brass Double Nozzle sprays two rows at one time. The width between the rows is regulated by raising or lowering the pump. Price, $1.50.

The Tree Nozzle works on the same principle as above nozzles, but has a three-foot brass extension for higher spraying. Price, $1.50.

The No. 4 Bordeaux Nozzle is for all heavy solutions, like Bordeaux Mixture, whitewash, etc. It has larger openings, and is used on the large sprayers. Price, 75 cents

The No. 2 Cap is for the same purpose, and is used on the double nozzle, and the tree nozzle. Price, 35 cents.

A One Quart Funnel with brass wire strainer accompanies sprayers for use in filling.

No. 2 "Brandt" Sprayer, Galvanized Tank and Shut off Nozzle $5.00
No. 3 "Brandt" Sprayer, all Brass and Shut-off Nozzle 6.75

Method of Operation. The pump is carried in the hands in a convenient position for operation and for directing the spray on the plants or vines. It is connected with the tank by two rubber tubes, one of which carries the air to the tank, the other delivers the liquid to the nozzle where it is mixed with air from the air reservoir on pump, and made into a finely headed mist and delivered on the plants in a solid cone of spray.

One of Our New Asters

Vick's Royal Pink

We grow more Aster seed and have introduced more good varieties than any other grower in the world.